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**2005-2006
UNDERGRADUATE
CATALOG**

**Fairmont State University
Fairmont State Community & Technical College**

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Undergraduate Catalog

2005-2006

Fairmont, West Virginia

Volume 119, Number 1

Contents

2004-2006 Academic Calendar	3
Catalog Policy.....	4
Policy on Equal Opportunity Affirmative Action	4
The Family Educational Rights and Privacy Act	4
Drug-Free Awareness Program	4
Services for Students with Disabilities	4
Assessment of Student Academic Achievement	4
Military Selective Service Act	5
Introduction	5
Philosophy and Objectives	5
Accreditation.....	6
The Mission Statement of Fairmont State University	6
Admission	7
Expenses and Financial Aid	12
Student Affairs	18
Special Academic Programs.....	24
Academic Information	28
Liberal Studies Requirements.....	34
Colleges	
College of Liberal Arts	
Department of Language and Literature	36
Department of Social Science	42
Department of Behavioral Science.....	47
College of Science and Technology	
Department of Biology, Chemistry, and Geoscience.....	50
Department of Physics, Math and Computer Science	53
Department of Technology	57
Schools	
Business	68
Education/Health and Human Performance	75
Fine Arts.....	86
Nursing and Allied Health Administration.....	92
Interdisciplinary Programs.....	95
Model Schedules	100
Courses of Instruction	116
Emeriti Faculty and Staff.....	172
Directory	174
Index	178
Correspondence Directory	183

Academic Calendar 2004-2006

2004 FALL SEMESTER

Monday-Friday, August 16-20.....	Faculty Professional Development Week	Monday-Friday, August 15-19
Sunday, August 22	Residence Halls Open for New Students	Sunday, August 21
Sunday, Monday, Tuesday, August 22, 23, 24	Orientation	Sunday, Monday, Tuesday, August 21, 22, 23
Monday, August 23	Evening Classes (after 4 p.m.) Begin	Monday, August 22
Monday, August 23	Scheduling for New Students	Monday, August 22
Tuesday, August 24	Scheduling for Returning Students	Tuesday, August 23
Wednesday, August 25	Daytime Classes Begin	Wednesday, August 24
Monday, September 6	Labor Day, No Classes	Monday, September 5
Friday, October 15	Mid Semester	Friday, October 14
Friday, October 15	Applications for December Graduation Due	Friday, October 14
Mon., Oct. 25 - Thurs., Nov. 18	Advanced Scheduling for Spring Semester	Mon., Oct. 24 - Thurs., Nov. 17
Monday-Friday, November 22-26	Thanksgiving Recess, No Classes	Monday-Friday, November 21-25
Monday, November 29	Classes Resume, 8 a.m.	Monday, November 28
Friday, December 10	Last Day of Classes	Friday, December 9
Monday-Friday, December 13-17	Final Exams	Monday-Friday, December 12-16
Saturday, December 18	Commencement	Saturday, December 17

2005 FALL SEMESTER

2005 SPRING SEMESTER

Friday, January 14	Residence Halls Open	Friday, January 13
Friday, January 14	Scheduling/Orientation	Friday, January 13
Monday, January 17	Martin Luther King Day, No Classes	Monday, January 16
Tuesday, January 18	Classes Begin	Tuesday, January 17
Friday, March 11	Mid Semester	Friday, March 10
Friday, March 11	Applications for May Graduation Due	Friday, March 10
Monday-Friday, March 14-18	Spring Break, No Classes	Monday-Friday, March 13-17
Monday, March 21	Classes Resume, 8 a.m.	Monday, March 20
Friday, March 25	Good Friday, No Classes	
Monday, March 28 - Thursday, April 21	Advanced Scheduling for Fall Semester	Monday, March 27 - Thursday, April 20
.....	Good Friday, No Classes	Friday, March 25
Friday, May 6	Last Day of Classes	Friday, May 5
Monday-Friday, May 9-13	Final Exams	Monday-Friday, May 8-12
Saturday, May 14	Commencement	Saturday, May 13

2006 SPRING SEMESTER

2005 FIRST SUMMER SEMESTER

Monday, May 23	Scheduling/Fee Payment/Classes Begin	Monday, May 22
Thursday, May 26	Applications for Summer Graduation Due	Thursday, May 25
Monday, May 30	Memorial Day, No Classes	Monday, May 29
Thursday, June 23	First Summer Term Ends	Thursday, June 22

2006 FIRST SUMMER SEMESTER

2005 SECOND SUMMER SEMESTER

Monday, June 27	Scheduling/Fee Payment/Classes Begin	Monday, June 26
Monday, July 4	Independence Day, No Classes	Tuesday, July 4
Thursday, July 28	Second Summer Term Ends	Thursday, July 27

2006 SECOND SUMMER SEMESTER

CATALOG POLICY

It is the responsibility of students to be knowledgeable of official University policies and to meet all requirements in the Catalog. It provides the best possible current information on practices and intentions of the University. The University reserves the right to change provisions or requirements at any time to reflect curricular changes and administrative regulations and procedures. The Catalog is not considered a binding contract between the student and the University. It is for informational purposes only.

Students should keep informed of current degree, curriculum, and course requirements. The academic advisors and appropriate administrative offices of the University may be consulted for further information.

A student who enrolls at Fairmont State University shall follow the provisions of the catalog in use at the time of admission or any subsequent catalog, providing all of the subsequent catalog is adopted.

Students who have interrupted their schooling for more than one year will become subject to the provisions of the current catalog.

POLICY ON EQUAL OPPORTUNITY AFFIRMATIVE ACTION

Fairmont State University is an Equal Opportunity-Affirmative Action institution. In compliance with Title VI of the Civil Rights Act of 1964, Title VII of the Civil Rights Act, West Virginia Human Rights Act, Title IX (Educational Amendments of 1972), Section 504 of the Rehabilitation Act of 1973, the Americans with Disabilities Act of 1990, and the other applicable laws and regulations, the University provides equal opportunity to all prospective and current members of the student body, faculty, and staff on the basis of individual qualifications and merit without regard to race, sex, religion, age, national origin, disability, or sexual orientation as identified and defined by law.

The University neither affiliates knowingly with nor grants recognition to any individual, group or organization having policies that discriminate on the basis of race, color, age, religion, sex, national origin, disability, or sexual orientation as defined by applicable laws and regulations. Further inquiries may be directed to the Director of Affirmative Action who is the Section 504, Title IX, and ADA Coordinator, Room 222 Hardway Hall, telephone 304 -367-4247.

THE FAMILY EDUCATIONAL RIGHTS AND PRIVACY ACT

The Family Educational Rights and Privacy Act of 1974 provides students with the right to inspect and review information contained in their educational records, to challenge the contents of their education records, to have a hearing if the outcome of the challenge is unsatisfactory and to submit explanatory statements for inclusion in their files if they feel the decisions of the hearing panels are unacceptable. Students wishing to review their educational records must contact the campus official in charge of the office in which the records are located. Students may not inspect records to which they have waived their rights of inspection and review.

Within the Fairmont State University community, only those members, individually or collectively, acting in the student's educational interest are allowed access to student education

records. These members include personnel in the offices of Admissions and Records, Student Services, Financial Aid, Business, academic schools and departments, academic advisors and athletic departments.

At its discretion the institution may provide Directory Information in accordance with the provisions of the Act to include: student name, address, telephone number, date and place of birth, major field of study, dates of attendance, degrees and awards received, the most recent previous educational agency or institution attended by the student, participation in officially recognized activities and sports, and weight and height of members of athletic teams. Students may withhold directory information by notifying the Registrar's Office in writing.

The University may disclose academic information to parents of students by having parents establish the student's dependency as defined by the Internal Revenue Code of 1954, Section 152. Dependency status may be established by the presentation of a certified copy of the parents' most recent federal income tax form listing the student as a dependent.

DRUG-FREE AWARENESS PROGRAM

In compliance with the Drug-Free Workplace Act of 1988 and the Drug-Free Schools and Communities Act Amendments of 1989, Fairmont State University has a Drug-Free Awareness Program designed to prevent the unlawful possession, use, or distribution of illicit drugs and alcohol by students and employees. Further inquiries may be directed to the Assistant to the President or the Vice President for Student Affairs.

SERVICES FOR STUDENTS WITH DISABILITIES

As required by Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990, certain accommodations are provided for those students whose disability may affect their pursuit of a college education. These students must contact the Coordinator for Students with Disabilities, who is located in Student Affairs, if these services are desired. Priority scheduling procedures have been established for students with disabilities. Students should contact their advisor for priority class preregistration. For additional information, refer to the brochure "Services for Students with Disabilities," available in the office of Student Affairs.

ASSESSMENT OF STUDENT ACADEMIC ACHIEVEMENT

Fairmont State University is committed to providing quality educational opportunities and experiences for every student. While grades are one measure of student performance, they do not provide the institution with the necessary data to ascertain the areas of the curriculum that are strong and areas that need improvement. Therefore, students attending Fairmont State University must participate in periodic assessment activities as directed by the University. Student assessment will normally occur at three critical times in the student's college career: upon entering the institution for course placement and for gathering baseline data, at the end of the sophomore year, and at the end of the senior year. Assessment data may be collected at additional times at the discretion of the institution. The purpose

of gathering assessment data is to monitor the quality of the academic programs and to improve, when necessary, the educational experience of students.

COMPLIANCE WITH MILITARY SELECTIVE SERVICE ACT

State law provides that a male person who has attained the age of eighteen (18) years may not enroll in a state-supported institution of postsecondary education unless he is in compliance with the Military Selective Service Act (50 U.S. Code, Appendix 451, et seq. and the amendments thereto). Also, a male person may not receive a loan, grant, scholarship or other financial assistance for postsecondary higher education funded by state revenue, including federal funds or gifts and grants accepted by this State, or receive a student loan guaranteed by the State unless he is in compliance with the Military Selective Service Act. Selective Service Act registration information should be available at all U.S. Postal Service facilities and may be available at some high schools. The Selective Service System also provides information through a web site at <http://www.sss.gov>.

Introduction

THE UNIVERSITY

Fairmont State University operates under the authority of the Fairmont State Board of Governors and is governed by its president with the aid and advice of its Board of Governors, administrators, Faculty Senate and Student Government.

The University offers courses of study leading to associate's degrees in nursing and technology; baccalaureate degrees in the humanities, social and natural sciences, teacher education, business, technology, and fine arts; and select master's degree programs. Pre-professional study is available in several fields, including medicine, dentistry, law, pharmacy, architecture, engineering and physical therapy. The University enrolls approximately 4,000 students.

Academic excellence and personal growth and fulfillment, the principal purposes of the University, are complemented by active fine arts, publications and sports programs. Year-round contemporary film, lecture and music series are important parts of the social and cultural calendar.

Facilities include Hardway Hall, the Administration Building, which traces its origins to 1915 when its cornerstone was laid and is included on the National Register of Historic Places.

In 1993, the University dedicated a new Education, Family and Consumer Science and Health Careers building, located on the main campus, and the Robert C. Byrd National Aerospace Education Center in Bridgeport, a 40,000-square foot structure designed to provide programs essential to the aviation industry. In the fall of 1999, the University opened its new Gaston Caperton Center in downtown Clarksburg, a 36,000-square foot facility with classrooms, natural science laboratories, computer labs, conferencing areas and a multipurpose room.

In the fall of 2004, the University dedicated a new 940-space parking garage and a new Residence Hall. Under construction is a new Student Center. Plans are also underway to construct a

new Technology Building and a Center for Fine Arts.

The University has made a significant investment to upgrade and maintain its technology equipment, software and infrastructure. Campus buildings are interconnected by fiber optic cabling, with Internet access available in all classrooms, offices, labs and residence halls. Also, a wide-area network connects the Gaston Caperton Center and the Robert C. Byrd National Aerospace Education Center with the main campus.

Fairmont State University has preserved and honored its traditions. A one-room school museum on the campus recalls the days when the University served as a private teacher training school which began in 1865. The campus also houses the West Virginia Folklife Center.

Fairmont State became a state-supported normal school in 1867; 76 years later, in 1943, it was authorized to offer bachelor of arts and bachelor of science degrees. In 2004, Fairmont State College was granted university status.

The University's 115-acre campus, with its 19 major buildings, is attractively located on a hill overlooking Fairmont, West Virginia. Approximately 90 miles south of Pittsburgh on Interstate 79, Fairmont, with a population of about 20,000, is the county seat of Marion County.

PHILOSOPHY AND OBJECTIVES

Fairmont State University considers its broad objective to be the education of its students as intelligent and productive persons, capable of participating in and understanding the world of the twenty-first century. Accordingly, the University seeks to provide a suitable environment for free and responsible inquiry into the nature, sources and implications of human knowledge and culture, and it challenges students to promote their own intellectual, social and personal development.

The University faculty serves this objective by guiding students in acquiring knowledge and by maintaining a dialogue with them. The University fully supports the ideal of a well-educated society and upholds the academic freedom of its faculty and students, confident that the best interests of the community are served when the search for truth is imaginative and vigorous.

The University follows a liberal policy of student admissions and believes that it can help highly-motivated students to overcome many challenges in their academic preparation. Because its academic standards are high, the Fairmont State University degree represents a level of achievement respected throughout the nation.

The University has a traditional interest in preparing teachers for public schools in West Virginia, as well as in other states. Recognizing the importance of able teachers to a progressive society, it requires outstanding academic performance of its teacher candidates and offers them sound professional training for elementary and secondary teaching.

Drawing many students from its immediate vicinity, the University welcomes the enthusiastic support it receives from Fairmont and surrounding areas. In return it participates actively in community projects, shares its programs and facilities with the public and serves the community as a center of information and culture.

Specifically, the mission of Fairmont State University is to provide programs needed by those in its geographic service area, to the extent permitted by its financial and human resources and its assigned role in the state's system of public higher education. This mission is accomplished by meeting these objectives:

- Offering a broad range of traditional baccalaureate degree programs in the arts and sciences, teacher education and business administration.
- Providing opportunities for occupationally-oriented baccalaureate study through expansion of existing industrial technology programs and the development of additional career-related curricula.
- Bringing selected study opportunities into communities in the University's service region through the use of the mass media, regional educational centers, external degree programs and other forms of nontraditional study.
- Encouraging a broad segment of the populace, including various age groups and the economically deprived, to avail themselves of educational opportunities.
- Serving the greatest number of students by holding University costs at the lowest possible level and providing financial support to those who need it to gain equal access to higher education.
- Relating the breadth of the curriculum to the availability of appropriate employment opportunities and the needs of business, industrial and public service agencies in the University's service area.
- Offering continuing education programs to provide career enhancement, cultural enrichment and personal skill development.
- Providing advisory, counseling and placement services to enable students to make satisfactory decisions about academic and personal problems and to make successful career and employment choices.
- Offering a variety of cultural, recreational, and social activities to complement academic pursuits.

ACCREDITATION

Of great importance to the reputation of a university is how it ranks scholastically with other institutions. Accreditation means that a university has been carefully evaluated and approved in its governance, in each curriculum, in the quality of its faculty, in the adequacy of facilities, library, equipment and laboratories.

To assure its stature and academic excellence, a university obtains accreditation from both regional and national agencies and joins certain accrediting organizations.

Fairmont State University is accredited by The Higher Learning Commission and a member of the North Central Association, 30 North LaSalle Street, Suite 2400, Chicago, Illinois 60602-2504, (800) 621-7440.

The Teacher Education program is approved by the West Virginia Board of Education and accredited by the National Council for the Accreditation of Teacher Education. In addition, selected teaching specializations are nationally approved by their respective learned society and/or professional organization.

Selected programs in the Department of Technology are accredited by the Technology Accreditation Commission of the Accreditation Board for Engineering and Technology, 111 Market Place, Suite 1050, Baltimore, MD 21202-4012, (410) 347-7700. The following programs are currently accredited by TAC of ABET: A.S. and B.S. Civil, A.S. and B.S. Electronics, and A.S. and B.S. Mechanical Engineering Technology.

The A.S. Nursing program is accredited by the West Virginia Board of Examiners for Registered Professional Nurses and the National League for Nursing Accreditation Commission; the B.S. Nursing program is accredited by the Commission on Col-

legiate Nursing Education.

The University is also a member of the American Association of Colleges for Teacher Education, American Association of State Colleges and Universities, American Council on Education, National League for Nursing, American Library Association, West Virginia Library Association, and West Virginia Press Association.

THE MISSION STATEMENT OF FAIRMONT STATE UNIVERSITY

Fairmont State University, a comprehensive, multi-site, selective institution, offers a quality education in a diverse and supportive learning environment that fosters individual growth, professional and career development, lifelong learning, global understanding, and a commitment to excellence in academic and community pursuits. Serving the citizenry of north central West Virginia and beyond, Fairmont State University is a student-centered institution of first choice among students who desire a flexible and relevant learning experience. The University provides a well-rounded education, enabling students to gain the knowledge and skills needed for self-fulfilling, responsible citizenship and employability in a rapidly changing global environment.

The University concentrates its energies and resources on its students, many of whom are the first generation of their families to attend college, adults returning or enrolling in higher education for the first time, and transfer students from community and technical colleges. The University, therefore, offers its diverse student body a wide range of programs, flexible scheduling and support services, all designed to foster success in the modern world. To strengthen intellectual development, all students pursuing a degree at Fairmont State University are engaged in a general education program, a body of coursework designed to expand their knowledge of civilization, society, scientific inquiry and artistic expression, while preparing them to think critically and communicate clearly. Through these studies, students also explore the interrelationships among disciplines and prepare for a lifetime of learning.

The University is committed to student learning and focuses its resources on programs that prepare students for careers and advanced education in West Virginia and beyond. Along with its significant history of teacher education, Fairmont State University provides a broad spectrum of degree options in business, fine and liberal arts, and social and natural sciences and offers programs with specialized accreditation in engineering technology and health careers. As a multipurpose institution, Fairmont State University provides seamless transitions from public schools, certificate programs or associate degrees to baccalaureate degrees. In keeping with its tradition of academic excellence, the University promotes graduate education by offering select graduate programs and by providing on-campus access to graduate programs of other institutions.

Fairmont State University is closely identified with its community. Partnerships with business and industry, public schools, government agencies and other organizations contribute to the economic, cultural and social development of the region. Through these community relationships and educational programs, the University fosters enlightened and productive citizenship in its immediate locale, the region and the world.

DESIRED PROFILE OF A FAIRMONT STATE UNIVERSITY GRADUATE

1. Students should acquire an informed appreciation of the arts, the humanities and the social and natural sciences; they should become aware of the relationships of the academic disciplines among themselves and with broader social and ethical issues.
2. Students should develop competence in mathematics, oral and written communication, reading and listening.
3. Students should acquire problem-solving skills to aid them in making decisions about personal values and career strategies. They should demonstrate proficiency in their major fields of study so as to be competitive in the job market or gain admission to respected graduate or professional schools.
4. Students should have techniques for coping with the vast amounts of information available in a rapidly changing society; they should embrace the necessity and satisfaction of lifelong learning.
5. Students should develop sensitivity in matters of social justice, accepting and appreciating ethnic or personal differences among individuals in our society. Students should maintain an ethical view that respects the life, property, opinions, and feelings of others.
6. Students should have the knowledge and attitudes that lead to physical health and well-being.

Admission

General Admission

GENERAL ADMISSION PROCEDURE

Students seeking admission to Fairmont State University must file an application for admission. Applications and supporting credentials must be on file at least two weeks prior to the opening of a semester or term. All credentials submitted in support of an application for admission become the property of the University and will not be returned to the student. Any student admitted upon the basis of false credentials will be subject to immediate dismissal from the University.

Students who fail to register during the semester or term for which they have been admitted must file another application in order to gain admission at a later date. Separate applications for residence halls must be submitted to the Office of Residence Life. Any change in local address of any student at Fairmont State University must be reported to the Registrar.

The application for admission must specify the student's desired degree or program objective. Fairmont State University grants bachelor's degrees, and Fairmont State Community and Technical College grants associate's degrees and administers certificate programs.

Admission to Fairmont State University does not guarantee admission to specific programs, which may be restricted due to limitations of staff, physical facilities, and space available for

experiential training. The standards and procedures for admission to limited-enrollment programs are presented later in this section.

REQUIRED FORMS AND CREDENTIALS

All students applying for admission to Fairmont State University degree programs are required to complete and submit the following forms and credentials:

1. Admission application form
2. Housing and financial aid request forms (if applicable)
3. Official high school transcript (except transfer students having a 2.0 average and at least 32 hours of completed coursework)
4. Official college transcripts (if student has transfer credit)
5. Official ACT or SAT scores
6. GED scores where applicable
7. Statement of Activities of educational and work experience if the student has been out of high school six months or longer.

THE AMERICAN COLLEGE TEST/SCHOLASTIC APTITUDE TEST

Fairmont State University requires the American College Test (ACT) or Scholastic Aptitude Test (SAT) of all applicants, with the exception of students who have been out of high school for three years or longer. Those students may be required to take alternative tests for placement. ACT scores are used to determine student placement in English and mathematics courses, for scholarships and loans, and for academic advising purposes. High school students are urged to take the test during their senior year. Financial aid applicants should take the test either during the summer prior to the beginning of the senior year, or on the October or December dates.

IMMUNIZATION REQUIREMENT

All students under the jurisdiction of the Higher Education Policy Commission who were born after January 1, 1957, are required to provide proof of immunity to measles and rubella. Students are requested to provide proof of immunity on or before the date of enrollment.

BACHELOR DEGREE PROGRAMS ADMISSION REQUIREMENTS

Admission to four-year bachelor degree programs is restricted to graduates of approved high schools who have a 2.5 high school grade point average (GPA) and a minimum composite score of 17 on the Enhanced American College Test (ACT) or 830 on the Scholastic Aptitude Test (SAT). (These scores do not include the writing assessment, which will be evaluated in addition to the previously mentioned composite scores). Exceptions to the above criteria are possible on a case-by-case basis. Applicants must also satisfy the following minimum high school unit requirements:

UNITS (Years)	REQUIRED
4	English (including courses in grammar, composition, literature)
3	Social Studies (including U.S. History)
3	Mathematics (Algebra I and at least one higher unit)
3	Laboratory Science (At least two units from Coordinated and Thematic Science 10, Biology, Chemistry, Physics and other courses with a strong laboratory science orientation)

STRONGLY RECOMMENDED

- 2 Foreign Language

ELECTIVE UNITS

It is recommended that the remaining elective units be chosen from subjects such as computer science, fine arts, and the humanities.

ADMISSION TO COLLEGE-LEVEL ENGLISH AND MATH COURSES

As a result of freshman assessment and placement standards adopted by the Higher Education Policy Commission, the following requirements must be satisfied before enrolling in college level mathematics and English courses.

ENGLISH

Students may not enroll in English 1104 unless the minimum score prescribed below is earned on at least one of the following tests:

- A score of 18 or above on the English section of the ACT.
- A score of 450 or above on the verbal portion of the SAT-1.
- A scaled score of 38 on the writing skills test of the ASSET.
- A score of 71 or above on the writing skills test of the COMPASS.
- A scaled score of 88 on the Sentence Skills test of the College Board's ACCUPLACER Testing System.
- Satisfactory performance on a writing sample administered by each institution.

Students not meeting the above standards must successfully complete English 0097.

MATHEMATICS

Students may not enroll in a mathematics course unless the minimum score prescribed below is earned on at least one of the following tests:

- A score of 19 or above on the mathematics section of the ACT.
- A score of 460 or above on the quantitative portion of the SAT.
- A scaled score of 40 on the numerical test and 38 on the elementary algebra test of the ASSET.
- A scaled score of 59 on the pre-algebra test and a scaled score of 36 on the algebra test of the COMPASS.
- A scaled score of 85 on the arithmetic test and 84 on the elementary algebra test of the College Board's ACCUPLACER Testing System.

Students not meeting the above standard must successfully complete Math 0095.

COMPASS TESTS AND ACADEMIC SKILLS DEVELOPMENT

If a student's ACT/SAT scores fall below the following cutoff, s/he must take a COMPASS placement test, and may need to enroll in the appropriate Academic Skills classes described below.

ACT CUTOFF SCORES:

- 17 on the Reading test
- 18 on the English test
- 19 on the Math test

SAT CUTOFF SCORES:

- 450 verbal
- 460 quantitative

COMPASS tests, designed by ACT, are designed to accurately measure a student's academic capabilities. These tests are taken on the computer and are multiple-choice. They are not timed. You do not need any computer experience. For more information on COMPASS tests, contact Nancy Parks, Assessment Coordinator, at (304) 367-4253 or nparks@fairmontstate.edu.

ACADEMIC SKILLS COURSES

- English 0092, Basic Reading and Study Skills
- Math 0093, General Math
- Math 0094, Pre-Algebra
- Math 0095, Elementary Algebra
- Math 0096, Elementary Plane Geometry
- English 0097, Composition Skills

ADVANCED STANDING

Based on the high school record and performance on the ACT or SAT, the Registrar will determine eligibility for advanced standing and credit in English and foreign language as follows:

English: Students may receive three hours of college credit in English 1104 and may enroll in English 1108 if they present four units of high school English with no semester grade of less than a "B" and a standard score of 25 or higher on the English section of the Enhanced ACT or 610 on the English part of the recentered SAT.

Foreign Language: Students who present one or more units of high school French or Spanish may enroll in French 1102 or Spanish 1102. Students who present two or more units of high school French or Spanish may enroll in French 2201 or Spanish 2201.

French or Spanish minor and French major: Students electing a minor in French or Spanish or a major in French may satisfy the elementary level requirement, French 1101 and 1102, or Spanish 1101 and 1102, by presenting two or more units of high school French or Spanish. These hours will not be recorded as college credit but will fulfill the requirement for the first six hours of the major or minor.

ADVANCED PLACEMENT EXAMINATION (AP)

Fairmont State University recognizes certain examinations of the College Board Advanced Placement Program. Students who participate in the AP program and wish to have their scores evaluated for credit should have their scores sent to Fairmont State University. The AP examinations are prepared by the Col-

lege Board, and the papers are graded by readers of the Educational Testing Service, Princeton, New Jersey 08540. Students cannot receive credit for a score below 3 on any exam. Students who do receive credit will be assigned the grade of CR, which is not calculated into the GPA.

Examination	Minimum Score	Credit Hours	Course Equivalent
Art (Studio)			
Studio Art - Drawing Portfolio	3	3	Elective
Studio Art - 2 Design Portfolio	3	3	Elective
Studio Art - 3 Design Portfolio	3	3	Elective
Art History	3	3	Elective
Biology	3	8	BIOL Electives
Chemistry	3	8	CHEM 1101-1102
Classics			
Latin: Virgil	3	3	Not Offered at FSU
Latin Literature	3	3	Not Offered at FSU
Computer Science			
Computer Science A	3	3	Elective
Computer Science AB	3	6	Elective
(6 units maximum for both tests)			
Economics			
Microeconomics	3	3	ECON 2202
Macroeconomics	3	3	ECON 2201
English			
English Composition & Lit	3	3	ENGL 2230
English Lang. & Composition	3	3	ENGL 1104
(9 units maximum for both tests)			
Environmental Science	3	4	Elective
Foreign Language			
French Language	3	6	FREN 1101, 1102
French Literature	3	6	FREN Elective
German Language	3	6	Elective
Spanish Language	3	6	SPAN 1101, 1102
Spanish Literature	3	6	SPAN Elective
Geography			
Human Geography	3	3	GEOG 2210
Government and Politics			
American	3	3	POLI 1103
Comparative	3	3	POLI 2200
History			
American	3	6	HIST 1107, 1108
European	3	6	HIST Elective
World	3	6	HIST 2211, 2212
Mathematics			
Calculus AB	3	4	MATH 1190
Calculus BC	3	4	MATH 1190
Statistics	3	3	PSYC 2240 or BUSN 3310 or SOCI 2240 or POLI 2240 or MATH 1113 or PSYC 2240
Music			
Theory	3	3	MUSI 1108
Physics			
Physics B	3	4	PHYS 1101
Physics B.....	4	8	PHYS 1101-1102
Physics C Mechanics	3	5	PHYS 1105
Physics Electricity & Magnetism	3	5	PHYS 1106
Psychology			
Introductory Psychology	3	3	PSYC 1101

COLLEGE LEVEL EXAMINATION PROGRAM (CLEP)

The College Level Examination Program (CLEP) provides students with the opportunity to demonstrate college-level

achievement through a program of exams in undergraduate college courses. Students can reduce their costs in time and money by successfully completing CLEP tests for credit. The CLEP exams are prepared by the College Board and administered by Fairmont State Community and Technical College. Students must achieve a minimum score of 50 to receive college credit. For additional information, contact the Student Affairs Office at 367-4836.

CLEP EXAMINATIONS ACCEPTED BY FSU

CLEP Examination	FSU Course	Credit
Business		
Prin. of Macroeconomics	ECON 2201	3
Prin. of Microeconomics	ECON 2202	3
Prin. of Marketing	BUSN 2204	3
Prin. of Accounting	BUSN 2201/2202	6
Introductory Business Law	BUSN 3306	3
Prin. of Management	BUSN 2209	3
Chemistry		
Chemistry	CHEM 1101/1102	8
Composition/Humanities		
Eng. Composition w/essay	ENGL 1104	3
Humanities	ART 2255	2
Sociology		
Intro. To Sociology	SOCY 1110	2
History		
History of U.S. II	HIST 1108	3
Western Civilization I	HIST 1111	3
Western Civilization II	HIST 1112	3
Social Sciences/History	HIST 1112, / POLI 1103	6
Language		
French	FREN 1101/1102	6
Spanish	SPAN 1101/1102	6
Math		
College Algebra	MATH 1112	3
College Algebra - Trig	MATH 1112/1115	3
College Math	MATH 1107	3
Political Science		
American Government	POLI 1103	3
Psychology		
Introductory Psychology	PSYC 1101	3

Special Admission

SPECIAL ADMISSION FOR HIGH SCHOOL NONGRADUATES

Students who are not high school graduates may be admitted to Fairmont State University by passing the General Educational Development (GED) Test and scoring at least a composite score of 17 on the ACT, 830 on the SAT, or comparable scores on the Compass placement tests. They must be either

- veterans,
- over 19 years of age, or
- past the age they would have been at the completion of a traditional high school education. Such persons must have been out of school more than one year preceding application for admission.

GED results must be sent directly from the testing center to the Office of Admissions.

INTERNATIONAL STUDENTS

The application deadline for international students follows: for the fall semester, June 1; spring semester, October 1; and summer semester, March 1. Admission files must be complete six weeks prior to the start of the semester. Required application forms and credentials include:

- an application for admission form;
- a minimum TOEFL (Test of English as a Foreign Language) score of 500 paper or 173 computer;
- officially certified credentials, TOEFL scores, and proof of financial support, submitted at least three months before the semester begins;
- housing and financial aid request form (if applicable);
- officially certified course-by-course English translation of high school transcript;
- official college transcript (if applicable);
- ACT (American College Test) or SAT (Scholastic Aptitude Test) scores, if available;
- health certificate;
- proof of financial support; and
- a brief résumé of educational and work experience if the student has been out of high school or college for more than a year;

All inquiries and admission materials are to be sent to the International Student Center, Room 308, Hardway Building.

TRANSFER STUDENTS

Any applicant for admission to Fairmont State University who has attended another collegiate institution will be classified as a transfer student. Every effort will be made to allow credit earned at other accredited colleges and universities to count towards a degree at FSU. Transfer students must meet the previously stated admission requirements of Fairmont State University. They must provide evidence of good standing at the institution last attended, and must have maintained a minimum 2.0 GPA.

Credits and grades earned at any public institution governed by the Higher Education Policy Commission shall be transferable to Fairmont State University. Only credits, not grades, will be counted toward the total hours needed for graduation.

Students transferring fewer than 32 hours must provide an official copy of the high school transcript and ACT or SAT scores, along with a copy of the college transcript. These students must also meet admission requirements of the degree or certificate program into which they are transferring.

TRANSFERRING CORE COURSEWORK

Students who transfer from one state college or university to another may transfer core coursework that will count toward fulfillment of liberal studies requirements at the receiving institutions.

A student may transfer up to 32 credit hours of undergraduate coursework in the areas of English composition, communications and literature, mathematics, natural science, and social science as liberal studies credits.

The following is a list of Liberal Studies Requirements that may be fulfilled by comparable coursework at another institution. All other Liberal Studies Requirements must be completed at FSU.

English Composition - 6 hours

ENGL	1104	Written English I	3
ENGL	1108	Written English II	3

Communication and Literature - 6 hours

SPCH	1100	Introduction to Speech Communication	3
ENGL	2220	Literature of the Western World I	3
ENGL	2221	Literature of the Western World II	3
ENGL	2230	Introduction to Literature I	3
ENGL	2231	Introduction to Literature II	3
ENGL	3391	The Short Story	3

Mathematics 3 - 4 hours

MATH	1107	Fundamental Concepts of Mathematics	3
MATH	1112	College Algebra	3
MATH	1115	Trigonometry and Elementary Functions	4
MATH	1190	Calculus I	4

Natural Science - 8 - 10 hours

BIOL	1105	Biological Principles I	4
BIOL	1106	Biological Principles II	4
CHEM	1101	General Chemistry	4
CHEM	1102	General Chemistry	4
CHEM	1105	Chemical Principles	5
CHEM	1106	Chemical Principles	5
PHYS	1101	Introduction to Physics	4
PHYS	1102	Introduction to Physics	4
PHYS	1105	Principles of Physics	4
PHYS	1106	Principles of Physics	4
GEOL	1101	General Geology	4
GEOL	1102	General Geology	4

Social Science - 9 hours

ECON	2200	Economics	3
ECON	2201	Economic Principles	3
HIST	1107	U.S. History I	3
HIST	1108	U.S. History II	3
HIST	2211	History of Civilization I	3
HIST	2212	History of Civilization II	3
HIST	2213	History of Civilization III	3
POLI	1103	American Government	3
POLI	2200	Introduction to Political Science	3
PSYC	1101	Introduction to Psychology	3
SOCY	1110	Introduction to Sociology	3
SOCY	1111	Introduction to Anthropology	3

CONSORTIUM AGREEMENT

The Presidents of Glenville State College, Fairmont State Community & Technical College, Fairmont State University and West Virginia Northern Community College have entered into a collaborative consortium agreement for our students. This agreement acts as a more direct process for transient students at the four institutions, allowing for enrollment to occur at two institutions at the same time. New students need to contact the Office of Admissions for information; current FSU students should contact the Registrar's Office.

CREDIT FROM A JUNIOR OR COMMUNITY COLLEGE

The maximum credit accepted from a Junior or Community College accredited by the North Central Association of Colleges and Schools or other regional accrediting association will not exceed 72 semester hours.

SPECIAL EXAMINATIONS FOR COURSE CREDIT

Students may earn course credit by special examination. To apply for permission for such an examination, applicants must be enrolled in the University or must have completed one semester or summer session in Fairmont State University. Applicants must first schedule an interview with the College or School Dean or department representative, who will evaluate the student's background, experience, and qualifications to establish eligibility and give permission to take the examination. In order to gain college credit by special examination, students must demonstrate better than average proficiency on the examination, as determined by the examiner. Examinations will not be given for college courses in which students have previously received a grade other than "W."

Applicants must pay a fee of \$22.00 per semester credit hour for each special examination. A receipt for the payment of the fee must be obtained from the Business Office. No money will be refunded if any examination is failed. No examination may be repeated.

ARTICULATION POLICY

Articulation between Fairmont State Community and Technical College and regional high schools and vocational-technical centers permits students to receive college credit for certain course competencies and Tech Prep programs of study completed at the secondary level. Students are permitted to enter college at their level of competency and avoid duplication of course work. Students should contact the Office of the Community and Technical College or their vocational-technical center for specific information concerning the articulation process.

Expenses and Financial Aid

PAYMENT OF TUITION AND FEES

The State Codes of West Virginia permit the Colleges and Universities to enter into a deferred payment contract with its otherwise qualifying students for tuition only. Under this plan the student is required to pay a minimum of 60 percent during the registration period, with the remaining 40 percent being due and payable before the end of the sixth week. There is a service charge equivalent to 18 percent APR on the unpaid balance. Ten days after the due date, a late payment is charged in the amount of five percent or \$5.00, whichever is less, and a hold is placed on all records for noncompliance. The registration process is not complete until all fees, plus interest and/or any penalties, have been paid in full. Fees can be paid with Visa, Mastercard and American Express. Students receiving financial aid must apply 100 percent of their aid prior to paying 60 percent of the balance due.

Registration is not completed until payment of tuition, residence hall rent, board, and fees has cleared. A late payment charge of \$25 will be assessed after registration day; a \$10 charge will be assessed on each check returned for "insufficient funds" unless the student can obtain an admission of error on the part of the bank. The Business Office shall declare the fees unpaid and registration canceled until the check has been redeemed and the additional charge paid. Student records will not be released by the Registrar's Office for any student who has a delinquent financial obligation to the University.

All outstanding amounts resulting from nonpayment of tuition and fees are the responsibility of the student. Withdrawal from school, officially or unofficially, will not cancel any financial obligation already incurred. Additionally, failure to pay all financial obligations may result in debts being turned over to a collection agency. Collection costs, including attorney fees and other charges necessary for the collection of any amount due, will be added to the student's account balance.

NOTE: All fees subject to change. The term "resident" refers to classification for fee purposes only. See end of this chapter for resident classifications.

Tuition and Fees

FOUR-YEAR BACCALAUREATE COLLEGE TUITION & FEES PER SEMESTER

	On Campus WV Resident	On Campus Non-Resident	Off Campus WV Resident	Off Campus Non-Resident
12 hours.....	\$2,109.....	\$4,404.....	\$1,880.....	\$4,175.....
11 hours.....	1,946.....	4,047.....	1,748.....	3,849.....
10 hours.....	1,770.....	3,680.....	1,590.....	3,500.....
9 hours.....	1,593.....	3,312.....	1,431.....	3,150.....
8 hours.....	1,416.....	2,944.....	1,272.....	2,800.....
7 hours.....	1,239.....	2,576.....	1,113.....	2,450.....
6 hours.....	1,062.....	2,208.....	954.....	2,100.....
5 hours.....	885.....	1,840.....	795.....	1,750.....
4 hours.....	708.....	1,472.....	636.....	1,400.....
3 hours.....	531.....	1,104.....	477.....	1,050.....
2 hours.....	354.....	736.....	318.....	700.....
1 hour.....	177.....	368.....	159.....	350.....

SUMMER SESSION TUITION & FEES

Summer session students will be permitted to preregister and pay in advance or to register and pay fees on registration day.

	WV Resident	Non-Resident
12 hours or more (full-time).....	\$1,820.00.....	\$3,937.00.....
11 hours.....	1,704.00.....	3,640.00.....
10 hours.....	1,550.00.....	3,310.00.....
9 hours.....	1,395.00.....	2,979.00.....
8 hours.....	1,240.00.....	2,352.00.....
7 hours.....	1,085.00.....	2,317.00.....
6 hours.....	930.00.....	1,986.00.....
5 hours.....	775.00.....	1,655.00.....
4 hours.....	620.00.....	1,324.00.....
3 hours.....	465.00.....	993.00.....
2 hours.....	310.00.....	662.00.....
1 hour.....	155.00.....	331.00.....

SPECIAL FEES (NON-REFUNDABLE) – APPLICABLE TO ALL STUDENTS

New Student Orientation Fee	\$120.00
Graduation Fee (inc. cap and gown).....	\$40.00
Course Fee (per credit hour).....	\$3.00

OTHER FEES

Late Application for Graduation	\$60.00
Multiple Transcript Fee (first transcript is free)	\$5.00
Priority Transcript Fee.....	\$9.00
Special Examinations for course credit (per credit hour).....	\$22.00
Late fee for Deferred Payment Plan	5% (\$5.00 maximum)
Late Registration.....	\$25.00
Aviation Technology Fee (per credit hour)	\$35.00

REFUND POLICY FOR TUITION AND FEES

A student who withdraws from the University may arrange for a refund of fees, excluding special fees, in accordance with the following schedule. Refunds are determined from the first day of the school term, which begins officially with Orientation Week. The student's official withdrawal date is certified by the Registrar.

Students who have paid in advance and cancel schedules prior to registration day will receive full refunds.

Students who pay fees on fall and spring registration days will be allowed to drop classes if doing so will result in a reduction of tuition. Classes may not be added or changed at this time.

SEMESTER TERMS

Withdrawal During first and second weeks (beginning with Registration Day).....	90% refund
During third and fourth weeks.....	70%
During fifth and sixth weeks	50%
Beginning with seventh week	No refund

SUMMER TERMS

Registration Day through the first three days of classes	90% refund
Fourth through sixth day of classes	70%
Seventh through ninth day of classes	50%
Beginning with tenth day of classes	No refund

Room and Board

Regular term payment of room and board and \$150.00 damage deposit must be paid on or before registration day. Summer term payment of room, board, and a damage deposit for a summer term must be paid in full by registration day. Applicants for residence hall reservations must pay a \$150.00 deposit at the time the application is filed with the University. (This amount is subject to change at any time). The deposit will be credited to the applicant's residence hall rent account. All applications must be filed with the Office of Residence Life. Residence halls are filled on a first-come, first-served basis.

Notice of cancellation of room reservations must be received by the Residence Life Office by June 1. Otherwise the total amount of \$150.00 will be forfeited. (Exception: Should the applicant be denied admittance to the University, a full refund will be made without regard to dates.) Students paying on-campus tuition and fees are entitled to participate in all college activities and attend athletic events.

RESIDENCE HALLS

Double Occupancy (Morrow, Pence, Prichard)	\$1,340.00
Bryant Single	\$1,790.00
Bryant Double	\$1,520.00

Move-in costs

Damage Deposit	\$150.00
Key Deposit	\$2 per key
Social Fee	\$11
Meal plan	varies (see below)

APARTMENTS

1 Bedroom (unfurnished)	\$425.00
2 Bedrooms (unfurnished)	\$590.00
2 Bedrooms (furnished)	\$640.00
3 Bedrooms (furnished)	\$960.00

Move-in costs

First & last month's rent	varies
Damage deposit	one month's rent plus \$25.00 per person

FOOD SERVICE

All residents of Morrow, Prichard, Pence, and Bryant Halls are required to purchase a meal plan for use in the cafeteria or snack bar located in the Student Activity Center. Campus Dining Services offers several meal plans.

A. Falcon 19 Plan

(19 meals, 7 days per week)\$1,402 per semester

B. Falcon 15 Plan

(15 meals, 5 days per week)\$1,274 per semester

Commuter dining plans and other options are available from Aladdin Food Service at (304) 367-4119.

Financial Assistance

Financial aid in the form of scholarships, grants, loans, and employment is available to students who need assistance in meeting their higher education expenses. All funds are administered by the Financial Aid Office in compliance with institutional, state, and federal guidelines.

NEED-BASED AID

1. Fairmont State University's primary purpose in awarding financial aid is to assist those students who could not attend without such aid.
2. It is the position of the University that parents have the first obligation to provide for the education of their children. The second obligation falls upon the students (and their spouses where applicable) to contribute to their own education from personal earnings and assets, including appropriate borrowing against future earnings.
3. Within its available resources, the University attempts to meet the financial needs of its students. The total financial aid awarded to a student shall not exceed the University budget or the student's need, as appropriate.

SCHOLARSHIP AID

It is the intent of Fairmont State University, as an institution of higher learning, to foster the highest degree of scholarship among its students. The University actively recruits students who have excellent academic records and recognizes and rewards those who continue to excel.

The objective of the University's scholarship program is to promote the recruitment and retention of a diverse student body with special talents. To accomplish this objective, a variety of merit scholarships have been developed with special criteria (ex.: Falcon Scholarships, program-specific scholarships, international student scholarships, athletic scholarships, etc.)

The University is ultimately responsible for final approval of scholarship programs and related policies and procedures. Further, various offices or committees are responsible for segments of the scholarship programs. The Fairmont State Foundation, Inc., through the auspices of the Fairmont State Foundation's Scholarship Committee, collaborates with the Office of Admissions and Financial Aid Office to explore new areas of scholarship development and expansion, and assist those interested in establishing new merit-based scholarships or enhancing currently established scholarship programs for Fairmont State University students. New scholarship programs are reviewed for consistency with institutional recruitment and retention goals and the scholarship philosophy statement, and must be reviewed and endorsed by the Faculty Senate Financial Aid Committee and approved by the President.

The University's Financial Aid Office also administers scholarship aid delivery for a wide range of externally funded and managed merit- and need-based scholarships received by Fairmont State students.

SOURCES OF FINANCIAL AID

The Financial Aid/Scholarship Brochure details all sources of financial aid offered by Fairmont State University and is available on the University's homepage at <http://fairmontstate.edu/admissions/undergraduate/financialaid/default.asp>

DEFINITION OF AN ACADEMIC YEAR

For Pell Grant and Direct Loan processing, the academic year at Fairmont State University begins with the fall, continues with the spring, and concludes with the summer term.

PROCEDURES FOR OBTAINING FINANCIAL AID

1. Students must complete and submit an application for admission to the Fairmont State University Office of Admissions (new students only).
2. For full consideration of aid based on need, students must complete and submit the Free Application for Federal Student Aid (FAFSA) to the federal processing center by March 1. The FAFSA must be submitted annually.
3. For consideration of eligibility for academic scholarships, students must apply for admission to the University prior to February 1 and submit a scholarship application by February 1.
4. Students interested in aid for summer must complete a separate application, which is made available in March.

SATISFACTORY ACADEMIC PROGRESS FOR FEDERAL FINANCIAL AID

To receive funds administered by the Financial Aid Office at Fairmont State University, students must be making measurable academic progress toward completion of an eligible degree or certification. Federal regulations require evaluation of both quantitative and qualitative academic progress.

Effective fall 2003, the following guidelines will apply:

- a) Required Cumulative Grade Point Average:
0—32 total credit hours.....1.5
33—64 total credit hours.....1.75
65—above total credit hours.....2.0
- b) If the student's cumulative GPA falls below the minimum standard at the end of a grading period, the student receives a "warning semester" during which aid continues. At the conclusion of the warning semester, the student's cumulative GPA must meet the appropriate minimum. If it does not, the student will no longer receive financial assistance.
- c) All students enrolling at Fairmont State University for the first time (including transfers) will be considered to be meeting academic progress in the first semester of enrollment. However, in order to continue receiving financial aid, recipients must meet all requirements at the end of the first grading period at Fairmont State University or student will receive a "warning semester."
- d) In addition to maintaining the overall GPA, a student must be making reasonable academic progress towards a degree or certificate. A student must pass at least 67% of all hours attempted each semester at Fairmont State University (this calculation will be rounded to the closest whole number). This applies to the graduate programs as well. A student who does not pass 67% of all hours attempted in a semester will continue to receive financial aid during a "warning semester" but MUST pass 67% of all hours attempted in that semester of enrollment (summer enrollment is not considered in this assessment).
- e) Students must complete their program of study within 1.5x of the number of hours required for the degree objective.

For a baccalaureate program of 128 hours, students must complete within 192 attempted hours.

For an associate program of 64 hours, students must complete within 96 attempted hours.

For a certificate program of 32 hours, students must complete within 48 attempted hours.

For a graduate program of 36 hours, students must complete within 54 attempted hours.

- f) Postgraduate, second undergraduate degree and teacher certification students must complete degree/certification programs within 60 hours of undergraduate coursework.
- g) Financial aid recipients/applicants whose aid has been cancelled or denied as a result of failure to meet the required standards may be reinstated under the following conditions:
 1. student's overall GPA meets minimum;
 2. student earns 67% of attempted credits during a semester;
 3. appeal is granted by Financial Aid Office or Financial Aid Appeals Committee.

Students who wish to appeal their loss of aid may do so with the Financial Aid Office. Forms are available upon request. Appeals may be made under hardship based on:

- a) death of an immediate family member,
- b) personal injury or illness of the student, or
- c) special circumstances as determined by the Financial Aid Office.

Documentation such as death certificates or notice, physician's statement, academic degree plans, or other documents deemed necessary by the Financial Aid Office is required. If the appeal is denied by the Financial Aid Office, a student may request a review by the Financial Aid Appeals Committee. Fairmont State Faculty Senate appoints this committee in accordance with standard committee procedures. The decision of the Financial Aid Appeals Committee is final.

FINANCIAL AID REFUND/REPAYMENT POLICY

Federal regulations require that Fairmont State University recalculate eligibility for financial assistance for students who withdraw, drop out, or are dismissed before completing the enrollment period. This recalculation may result in requiring a student to return financial aid funds to the various federal aid programs.

A student "earns" Title IV federal aid based upon the length of time the student remains enrolled during the enrollment period. Title IV federal aid includes the Federal Pell Grant, Federal SEOG, Federal Perkins Loan, and William D. Ford Federal Direct Student and PLUS loans. Students enrolled for more than 60 percent of the enrollment period (determined by the number of days completed up to the withdrawal date) are considered to have earned 100 percent of Title IV funds and are not required to return their aid. Students enrolled less than 60 percent of the enrollment period must return the "unearned" portion of Title IV funds to the various aid programs. This return may result in unpaid charges to Fairmont State for tuition/fees and room/board. Fairmont State will bill the student for any balance due. Students who received aid to assist with related educational expenses may also be required to return a portion of their aid. Students who owe a repayment to any federal financial aid program are no longer eligible for financial aid at any post-secondary institution. Eligibility may be reestablished after the repayment is satisfied.

If a student begins attendance, does not officially withdraw, and fails to earn a passing grade in at least one course, the student is considered to be unofficially withdrawn for Title IV purposes and Fairmont State must recalculate the student's aid.

Please keep in mind this repayment policy is in addition to the institution's refund policy. A student who withdraws from school could owe federal financial aid as well as repayment back to the West Virginia Higher Education Grant Program, Promise Scholarship Program and/or Fairmont State.

VETERANS' POLICIES

The following policies and procedures will be observed by Fairmont State for the purpose of determining satisfactory progress for all students receiving veterans' benefits. The Veterans Administration will be notified of any veteran who is not maintaining satisfactory progress.

FAIRMONT STATE PROCEDURE FOR MILITARY DEPLOYMENT

If you are called to active duty in the military while enrolled at Fairmont State, you will be designated as being on a "Military Leave of Absence." If you return to Fairmont State immediately following your deployment, you will not be required to reapply for admission to Fairmont State. The following policies and procedures listed below are designed to make your transition to active duty and return to Fairmont State as convenient as possible. Please read the information below and review your choice of options. If you receive any form of financial assistance, it is imperative that you meet with the Financial Aid Office and Business Office. You must provide the Business Office with a copy of your Deployment Papers no matter what option you select.

Option 1

When called to active duty during the academic semester at Fairmont State, you may withdraw completely from the semester and receive a full tuition refund. You will also receive a prorated refund for campus housing, meal plan, and parking. Upon consultation with the Financial Aid Office and Business Office, your transcript for the semester may show enrolled with "W's" or you may be completely deleted from that semester.

Option 2

You may contact your individual instructors to determine if you have completed enough work for the semester to receive an incomplete or a final grade for the course. The decision rests solely with each faculty member. You should have completed at least three-fourths of the semester before a faculty awards a final grade for a course. If you wish to pursue this option, you must have each faculty member sign below to indicate that they will give you an incomplete or final grade for the course. Upon return from active duty, you should re-enroll at Fairmont State as soon as possible. Once re-enrolled, you will have one year to make up an incomplete. At the end of the one-year period, the instructor must submit a final grade. If no change is made by the instructor, the grade "I" will be changed to an "F." You may also officially withdraw from specific courses that you do not wish to complete. You will receive a prorated refund based upon the number of credit hours you retain. Upon consultation with the Financial Aid Office and Business Office, your transcript for the semester may show "W's" for courses in which you officially withdraw or you may be completely deleted from those courses.

PROBATION OR SUSPENSION

The Veterans Administration will be notified immediately at the end of the semester if a student receiving veterans' benefits is either suspended or placed on academic probation by Fairmont State. The Office of the Associate Provost for Academic Affairs supplies the Veterans Coordinator with a list of students suspended or placed on academic probation. This list will serve as the basis for notification to the Veterans Administration.

CLASS ATTENDANCE

Individual class attendance by all students receiving veterans' benefits will be maintained and the Veterans Administration will be notified immediately when a student's absence from class is interfering with satisfactory progress in that class.

If a student receiving veterans' benefits withdraws from the University or an individual class and the Veterans Coordinator has no prior notice of irregular class attendance, the official withdrawal date on the withdrawal form completed in the Registrar's Office will be assumed as the last date of class attendance.

FINAL GRADE FOR ALL COURSES ATTEMPTED

The final grade policy for all attempted courses applies to all students at Fairmont State, including those receiving veterans' benefits.

MIDTERM REVIEW

The Veterans Coordinator will review the midterm grade report for all students receiving veterans' benefits and the Veterans Administration will be notified of any irregularities or indication of lack of progress on the midterm grade report.

SUMMARY

As indicated above, students receiving veterans' benefits are subject to all institutional policies of grading, attendance, and withdrawal. It is the responsibility of the Fairmont State Veterans Coordinator to administer the procedures listed above and to notify the Veterans Administration, in every instance, indicating lack of satisfactory progress by the student receiving veterans' benefits. There are no separate policies of attendance, withdrawal, or grade average calculation for students receiving veterans' benefits. Evidence of unsatisfactory progress during a semester may result in loss of benefits back to the point at which satisfactory progress ceased (i.e., irregular withdrawal from class).

Resident Classifications

GENERAL

Students enrolling in a West Virginia public institution of higher education shall be classified as resident or nonresident for admission, tuition and fee purposes by the institutional officer designated by the President. The decision shall be based upon information furnished by the student and all other relevant information. The designated officer is authorized to require such written documents, affidavits, verifications, or other evidence as are deemed necessary to establish the domicile of a student. The burden of establishing residency for tuition and fee purposes is upon the student.

If there is a question as to residence, the matter must be brought to the attention of the designated officer and acted

upon at least two weeks prior to registration and payment of tuition and fees. Students found to have made false or misleading statements concerning their residence shall be subject to disciplinary action and will be charged the nonresident fees for each session therefore attended.

RESIDENCE DETERMINED BY DOMICILE

Domicile within the State means adoption of the State as a fixed permanent home and involves personal presence within the State with no intent on the part of the person to return to another state or country. West Virginia domicile may be established upon the completion of at least 12 months of continued residence within the State prior to the date of registration, provided that such residence is not primarily for the purpose of attendance at any institution of learning in West Virginia.

Establishment of West Virginia domicile with less than 12 months' residence prior to the date of registration must be supported by proof of positive and unequivocal action, including but not limited to the purchase of a West Virginia home, full-time employment within the state, paying West Virginia property tax, filing West Virginia income tax returns, registering to vote in West Virginia and the actual exercise of such right, registering of motor vehicles in West Virginia, and/or possessing a valid West Virginia driver's license. Additional items of lesser importance include transferring or establishing local church membership, involvement in local community activities, affiliation with local social, civic, fraternal or service organizations, and various other acts which may give evidence of intent to remain indefinitely within the State. Proof of a number of these actions shall be considered only as evidence which may be used in determining whether or not a domicile has been established.

MINORS

Minors are defined by the West Virginia Code §2-2-10 as persons under 18 years of age. The residence of minors shall follow that of the parents at all times, except in extremely rare cases where emancipation can be proved beyond question. The residence of the father, or the residence of the mother if the father is deceased, is the residence of unmarried and unemancipated minors. If the father and the mother have separate places of residence, minors take the residence of the parent with whom they live or to whom they have been assigned by court order. The parents of minors will be considered residents of West Virginia if their domicile is within the State.

Minor students who are properly admitted to an institution as resident students shall retain that classification as long as they enroll each successive semester.

EMANCIPATED MINORS

Emancipated minors may be considered as adults in determining residence, provided satisfactory evidence is presented that neither of their parents, if living, contributes to their support nor claims them as dependents for federal or State income tax purposes. Emancipated minors assume all of the responsibilities of adults to establish residence for tuition and fee purposes. Proof must be provided that emancipation was not achieved principally for the purpose of establishing residence for attendance at an institution of higher education.

STUDENTS EIGHTEEN YEARS OF AGE OR OVER

Students 18 years of age or over may be classified as residents if (1) the parents were domiciled in the State at the time the students reached majority and such students have not

acquired a domicile in another state, or (2) while adults, students have established a bona fide domicile in the State of West Virginia. Bona fide domicile in West Virginia means that students must not be in the State primarily to attend an educational institution and they must be in the State for purposes other than to attempt to qualify for resident status.

Nonresident students who reach the age of 18 years while students at any educational institution in West Virginia do not by virtue of such fact alone attain residence in this state for admission or tuition and fee payment purposes.

Students who are properly classified as residents at the time they reach the age of 18 shall continue to be classified as residents as long as they enroll each successive semester and do not establish a domicile, or legal residence, in another state.

STATE RESIDENTS 65 YEARS OF AGE OR OLDER

Residents of West Virginia who are at least 65 years of age may attend class for credit or no credit if space is available. Eligibility will be determined based on appropriate documents reflecting age and residency. Participants will be admitted according to the process for "Special Students" outlined in Fairmont State University's admissions policies. Students may register anytime during or after the preregistration period designated for "All Other Students" and through the Regular and Late Registration periods. Appropriate dates and times will be published in the Schedule of Classes for each term. Participants may register for either on or off-campus courses.

Eligible participants may elect one of two options for enrolling at the University. Participants must identify themselves and choose an option at the time of registration.

No Credit Option: Eligible participants will be assessed fifty dollars (\$50) per course plus applicable fees (i.e. technology, laboratory, parking permits) when appropriate.

Credit Option: Participants electing to earn college credit will be granted a waiver of fifty percent (50%) of the normal tuition and fees for courses. Technology, laboratory, parking and other special fees will be charged at the regular student rate.

CHANGE OF RESIDENCE

Adult students who have been classified as out-of-state residents and who seek resident status in West Virginia must prove conclusively that they have established domicile in West Virginia with the intention of making their permanent home in this state. The intent to remain indefinitely in West Virginia is evidenced not only by persons' statements but also by their actions. The designated institutional officer shall consider actions including but not limited to those described above in Section Two, "Residence Determined by Domicile." Proof of a number of these actions shall be considered only as evidence which may be used in determining whether or not a domicile has been established. Factors militating against a change in residence classification may include such considerations as the fact that students are not self-supporting, that they are carried as dependents on their parents' federal or state income tax returns or their parents' health insurance policy, or that they customarily do not remain in the State when school is not in session.

Students may get the necessary paperwork for a change of residence from the Registrar's Office.

MILITARY

Individuals who are on active military duty or employees of the federal government may be classified as residents for the purpose of payment of tuition and fees, provided that they

established a domicile in West Virginia prior to entrance into federal service, entered the federal service from West Virginia, and have at no time while in federal service claimed or established a domicile in another state. Sworn statements attesting to these conditions may be required. The spouse and dependent children of such individuals shall also be classified as residents of the State of West Virginia for tuition and fee purposes. Persons assigned to full-time active military service and residing in West Virginia may be classified as instate residents for tuition and fee purposes.

ALIENS

Aliens in the United States on a resident visa, or those who have filed a petition for naturalization in the naturalization court and who have established a bona fide domicile in West Virginia, may be eligible for resident classification provided they are in the State for purposes other than to attempt to qualify for residency status as students.

FORMER DOMICILE

A person who was formerly domiciled in the State of West Virginia and who would have been eligible for an instate residency classification at the time of his/her departure from the state may be immediately eligible for classification as a West Virginia resident provided such person returns to West Virginia within a one year period of time and satisfies the conditions of Section Two regarding proof of domicile and intent to remain permanently in West Virginia.

APPEAL PROCESS

The decisions of the designated institutional officer charged with the determination of residence classification may be appealed to the President of the institution. The President may establish such committees and procedures as determined necessary for the processing of appeals.

Student Affairs

Fairmont State University provides many services to its students for the purpose of assisting them in adjustment to the college environment. The Office of the Vice President for Student Affairs coordinates and assumes responsibility for all activities and services directly affecting the welfare of students.

Social and cultural opportunities are a significant part of the educational experience. Office of Student Affairs encourages students' growth and development by helping them to understand themselves, others and their relationship to society. Services provided by Student Affairs include career development/planning, residence life, counseling, student health services, child care, disability services, freshman orientation activities, student organizations, student activities, Student Government and work-study employment on campus.

Student Services

CAREER SERVICES

The Office of Career Services provides students and alumni with a variety of benefits, including career exploration, life planning, and job placement. Students can utilize interactive computer software and career counseling to clarify their options. An extensive career resource library is also available. Career Services provides the following:

- Assistance in declaring a major through a variety of assessment tools
- Personalized career counseling
- Information on employment trends, outlooks, etc.
- Internship/practical experience opportunities
- Seminars, career/job fairs
- Choosing a Career class (Human Services 1199)
- Graduate school information
- Internet job search
- Full and part-time job opportunities
- Access to job referral system
- On-campus interviewing
- Career resources library
- Establishment of credential file

All students and alumni are encouraged to take advantage of these resources. The Office of Career Services is located in Room 322 Turley Center and is open Monday through Friday, 8:00 a.m. to 4:00 p.m. Evening appointments may be made by arrangement. (304) 367-4214.

COUNSELING SERVICE

The counselors in Student Affairs offer professional assistance with personal problems, problems of social relationships and the understanding of oneself and others. Its staff consists of professionals trained in clinical practice and counseling who are experienced in dealing with issues common to college students. These services are available to all students in the belief that

they often find significant benefit in counseling as a means of increasing self-awareness, maximizing potential and making the college experience more productive and meaningful. Contacts with the University Counseling Services are held in strict confidence. Appointments may be made by calling 367-4792 or in person at 308 Turley Center.

DISABILITY SERVICES

Fairmont State is committed to providing educational opportunities for all students and assisting them in making their educational experience successful and positive. In compliance with Section 504 of the Rehabilitation Act of 1973, and the Americans with Disabilities Act of 1990, Fairmont State recognizes a student with a disability as anyone who has a physical or mental impairment that substantially limits one or more major life activities. Student Disability Services coordinates the provision of reasonable accommodations for students with disabilities. All reasonable accommodations are individualized, flexible and confidential, based on the nature of the disability and the academic environment. Individuals requesting accommodations must provide current documentation of their disability to the Office of Student Disability Services, located in 304 Turley Center. The Coordinator for Disability Services and the student will work on determining appropriate accommodations. The student will receive letters for the faculty explaining the accommodations. It is the student's responsibility to provide faculty with this letter. Any faculty member who has not been provided with an accommodation letter is not required to accommodate a student's disability.

Assistive technology and a number of related services are available to students registered with the Office of Disability Services, including psychological testing, priority registration, special assistive software and additional tutoring. For more information and documentation criteria, please contact the Coordinator of Disability Services at 367-4686.

STUDENT ORIENTATION

New students arrive on the campus in advance of other students to become acquainted with the campus, buildings, academic programs, student activities, and student welfare in general. Throughout the orientation period, new students are assisted and guided by trained student counselors, who are sympathetic to the individual problems of students.

STUDENT HEALTH SERVICE CENTER

A physician's assistant and a registered nurse are available to examine and advise students in matters pertaining to their health. When college is in session, a nurse is available from 8:00 a.m. until 4:00 p.m. Tuesday; 8:00 a.m. until 5:00 p.m. M,W,Th; and 8:00 a.m. until 12:30 p.m. on Fridays, in the University Clinic in The Student Activity Center, for first aid and for the treatment of minor ailments. The university physician's assistant has regu-

lar campus office hours on Monday, Wednesday, and Thursday, from 9:45 a.m. until 5:00 p.m.

ACADEMIC DEVELOPMENT CENTER

The Academic Development Center offers courses in college reading and study skills, pre-algebra, elementary algebra, and composition skills for students who enter college with academic deficiencies and or low placement test scores in any of those areas. These courses do not apply toward the credit hours required to graduate but they do provide institutional credit, counting toward a student's full-time status. Each course offered through the Academic Development Center is worth three institutional credit hours. These courses can be found under the heading Academic Development Center in the schedule of courses. The Center's main office is 200 Jaynes Hall.

Students are required to complete all such required, non-graduation credit courses within their first 32 credit hours of college if they are majoring in an AA, AS, or AAS program. Students in BA and BS programs are strongly encouraged to complete these courses within their first 32 credit hours.

TUTORING PROGRAM

Fairmont State Community and Technical College and Fairmont State University provide an accredited tutoring program, which has been certified by the College Reading & Learning Association's International Tutor Certification program. All FSC&TC and FSU students are entitled to 10 hours of free tutoring each semester; students registered in the Disability Services can receive additional hours. Trained peer tutors are available through Tutorial Services at 207 Jaynes Hall. The office houses study carrels and support materials for one-on-one or small group tutoring sessions in virtually all subject areas. For further information, contact the Tutorial Director in 203-B Jaynes Hall.

SUPPLEMENTAL INSTRUCTION

Supplemental Instruction is a new program at Fairmont State, implemented to enhance learning in historically difficult courses. To facilitate learning, faculty-recommended students who are trained as SI Leaders lead weekly out-of-class study sessions. Participation is free and available for all students enrolled in a SI-targeted course. For further information, contact the Supplemental Instruction Supervisor in 203-B Jaynes Hall.

MULTICULTURAL AFFAIRS

The Office of Multicultural Affairs provides multicultural education for all students. Educational programs and activities will assist majority and minority students to identify their commonalities and to understand, accept and value their differences. Students can learn to relate to members of diverse groups, communicate effectively across racial and cultural lines, and transfer these skills to a variety of settings. Multicultural Affairs is committed to developing programs which expand awareness and promote cultural opportunities for all students.

The Office of Multicultural Affairs also promotes systematic change that fosters a multicultural perspective across campus. As change agents, we work with various allies to incorporate diverse perspectives into every facet of the institution, including

admissions, hiring practices, administrative policies and procedures, academic curriculum, and co-curricular activities.

Finally, the Office of Multicultural Affairs provides support to underrepresented ethnic groups. This support includes assessment and other functions designed to identify the psychosocial, academic, and other needs of minority students; communication of these needs, along with recommendations for meeting them, to other units of campus; programs and services that enhance students' personal, social, educational, and cultural development; and efforts to encourage all students to participate in and contribute to the life of the campus.

ALUMNI

The Alumni Association of Fairmont State University is the official organization of all graduates and former students of the "old" Fairmont State Normal School, Fairmont State Teachers College, and Fairmont State College. The history of the Alumni Association dates back almost to the founding of the institution. A meeting was held on Commencement Day, June 27, 1873, at which time the 29 graduates formed the Association.

Events of special interest to alumni include the annual Homecoming celebration during the fall semester. Festivities begin on Thursday evening and continue through Saturday and include a parade, banquet, and business session. The class of 50 years ago returns to the campus for a day's visit and dinner as guests of the Alumni Association and the University. Alumni who reach their 50th-year reunion automatically become members of the Emeritus Club, which was formed in 1963. In addition, the Alumni Association funds one scholarship each year to a son or daughter of an FSU alumnus/a. The scholarship, worth \$500, is awarded by the Financial Aid Office based on criteria set by the Alumni Association. Another \$1,000 award is given annually to an education major in honor of former president Wendell Hardway.

Information concerning the Alumni Association may be obtained by writing to the Alumni Office, Fairmont State University, Fairmont, West Virginia 26554.

THE LIBRARIES OF FAIRMONT STATE UNIVERSITY

HUTCHINS, THELMA J. (2000)

Director of Library Services
Associate Professor of Library Science

GRUBB, WILLIAM (1997)

Distance Learning Library Services Librarian
Assistant Professor

HAMMONDS, ROBERT H. (1998)

Cataloging Librarian
Assistant Professor

MATTHEWS, DAVID F. (1990)

Reference Librarian
Assistant Professor

MAZURE, SHARON L. (1997)

Reference and Interlibrary Loan Librarian
Assistant Professor

Fairmont State University has three libraries that may be used by all students, faculty and staff. The Ruth Ann Musick library is located on the second and third floors of the library building on the main campus. The other libraries are located at the Caperton Center in Clarksburg and the National Aerospace Education Center (NAEC) at Bridgeport. These libraries function at the heart of the university's academic program. Library personnel work closely with students and faculty to develop research skills and to provide a wide range of support services that enhance the learning experience. The library's print and electronic holdings are designed to support the curricular needs of the academic program of study offered at the university and to encourage intellectual and personal growth.

The libraries provide easy access to over 285,000 items, including books, periodicals, government documents, compact discs, videos and other multimedia, and to electronic databases. Subscriptions to over 16,000 journals and newspapers, either in print or with full text online, provide the latest information in all disciplines.

The libraries have an online, web-based catalog of all holdings. This catalog is searchable from any location in the world, through the use of a web browser (see <http://www.fairmont-state.edu/library/index.html>). The libraries provide access to a web-based electronic reserves system, allowing students to access readings, etc., online via the Internet.

REFERENCE SERVICES

The librarians offer instructional programs and training sessions, including an orientation which covers the use of the library's resources, methods of dealing critically with available information and ways in which the library can provide information, both through traditional means and by the latest electronic methods. Training in methods of information-gathering on the Internet and through other electronic resources is available to all users.

The library on the main campus is open almost 100 hours a week during fall and spring semesters, and over 66 hours during the summer sessions. At least one professional librarian is available or on call most hours that the library is open. The librarians provide individualized assistance with projects, research questions, and papers.

Among the libraries' holdings are thousands of reference works, abstracts, and indexes, as well as computerized, web-based databases, both full-text and bibliographic in nature.

INTERLIBRARY LOAN

If students need research materials that are not available in one of the libraries, the items may be requested through Interlibrary Loan, either online or in person. Users may place and track requests online, using ILLIAD. Using a major bibliographic database (OCLC), library staff handle requests quickly and efficiently. Response time is improved through use of fax equipment, the posting of articles to a secure website for borrowers, and ARIEL (Internet transfer of documents).

ONLINE SERVICES

The librarians at Musick Library maintain the libraries' web pages with information resources available to all students online. Resources include journal indexes, full text journals, encyclopedias, style manuals, newspapers, government documents, and bibliographic indexes in all areas of the sciences, social sciences, humanities, and technology. There are over 40,000 books

available through the online catalog. Specialized assistance in locating resources is available and students and faculty may email questions to the librarians. All online resources are available remotely from any location with Internet access, through the use of the Fairmont State email username and password.

Student Activities

STUDENT GOVERNMENT ASSOCIATION

Student Government at Fairmont State University actively seeks to supplement the academic atmosphere with intellectual, cultural, and social activities. Student Government members are involved in all aspects of life on campus and work cooperatively with the college administration.

Every segment of the student body is represented in the Government. Members are elected each spring by the student body and receive special training for their positions. The association comprises a president, vice president, secretary, treasurer, parliamentarian, representatives of the four classes and other student organizations. A faculty advisor is assigned by the Vice President for Student Affairs.

Student Government meets every Thursday at 12:30 p.m. in 128 Hardway Hall. All meetings are open and any student is welcome to attend.

CLUBS, HONOR SOCIETIES, AND SOCIAL ORGANIZATIONS

Fairmont State University students have organized over 80 clubs and honorary organizations for the promotion of interests in various academic fields, the recognition of outstanding achievement in various campus activities, and for general social purposes. A list of currently active organizations can be found in the Student Handbook or in 309 Turley Center.

RELIGIOUS ORGANIZATIONS

Organized religious groups on campus include the Newman Center, sponsored by the Roman Catholics; the Wesley Foundation, sponsored by the United Methodists and Presbyterians; Chi Alpha, related to the Assemblies of God; and the Baptist Campus Ministry, related to the American Baptist Church. A complete list of active organizations is available in the office of Student Affairs. Services of ministers from many denominations and other faiths are available to the campus at all times through the Newman Center and Wesley Foundation.

PUBLICATIONS

Student publications available on campus include *The Columns*, the student newspaper, *The Mound*, the yearbook, and *Whetstone*, an art and literary magazine. Staff positions are open to all interested students. Application forms are available in 301 Jaynes Hall, the student publications business office. Students participating as staff members may also receive credit for their work by enrolling in Journalism 1199 (Section 01, for *Columns*; Section 02, for *Mound*; Section 03, for *Whetstone*) and performing duties as assigned by the editor. Editors of the respective

publications are chosen annually by the Student Publications Board, which governs all student publications.

Campus publications allow students to showcase their writing, photographic, and graphic-design skills in professional settings, using advanced computer technology. *The Columns* is published 10 times per semester and is distributed campus-wide by noon each Monday. *Whetstone* and *The Mound* are published annually. *Kestrel: A Journal of Literature and Art* features poetry, fiction, nonfiction, drama and art work from art and literary professionals around the world. It offers junior- and senior-level students an opportunity for a professional experience in adjudication, publication and business management through an internship with three hours of course credit (Journalism 3399: *Kestrel*). *Kestrel* is published in the fall and spring, and acts as a cultural bridge to the community; its goal is to promote living literature and art. Interested students should inquire in the School of Language and Literature.

MUSIC ORGANIZATIONS

Performing organizations in the Music Department are open for the participation of all interested and qualified students at Fairmont State University.

Instrumental organizations include the Falcon Marching Band, FSU Wind Ensemble, FS Concert Band, University-Community Symphony Orchestra, Brass Ensemble, Percussion Ensemble and Stage Band. Other chamber ensembles, such as flute ensemble, guitar ensemble, saxophone quartet and piano ensemble are organized on occasion under faculty supervision.

Vocal ensembles include Collegiate Singers and the Chamber Choir. Additional ensembles are organized on occasion under faculty supervision.

All musical ensembles present concerts on and off campus during the school year. Students may receive up to 3 credit hours in the Liberal Studies curriculum by performing in Marching Band, Wind Ensemble, Collegiate Singers, or Orchestra. Interested students should contact the Music Department, in the School of Fine Arts, for additional information.

FORENSICS (PUBLIC SPEAKING, ORAL INTERPRETATION, AND DEBATE)

Fairmont State University offers a variety of programs for all students interested in public speaking, oral interpretation and debate. Participation in all of these activities is open to any full-time student in good academic standing at Fairmont State University. All activities operate under the direction of the Speech Communication and Theatre faculty. The Intercollegiate Debate Squad participates annually in eight to ten intercollegiate debate tournaments at colleges and universities throughout the East and Midwest. The debate squad also sponsors and participates in public exhibition debates.

Students may participate in intercollegiate competitions in oratory, extemporaneous speaking, persuasive speaking, impromptu speaking, after-dinner speaking, prose interpretation, poetry interpretation and dramatic interpretation. All full-time students have the opportunity to participate in the Annual M.M. Neely Oratorical Contest. The contest is a persuasive speaking event which is endowed by the heirs of the late U.S. Senator and Governor of West Virginia, M.M. Neely. All speech communication majors and minors must compete in the Neely Contest as a final recital presentation.

The FSU Chapter of Pi Kappa Delta, the national forensics honorary, recognizes outstanding students through membership in the local chapter. Fairmont State University is a member of the National Forensic Association and the American Debate Association.

THEATRE

Fairmont State University offers an active theatre program for the benefit of performers, technicians and theatregoers.

The Masquers, the official student theatrical organization since 1923, presents annually a season of plays, varied in style and period, usually in Wallman Hall during the fall and spring semesters. The plays are directed by the Speech Communication and Theatre faculty, and designed by faculty or students under faculty supervision. Acting roles and positions on the production crews are open to the student body on a voluntary or course-credit basis. Performances are open to the public. Membership in Masquers is open to the student body and is earned through participation with the university theatrical productions.

Since 1960, the Masquers' Town and Gown Theatre has also presented a season during the summer months. Students enrolled in summer theatre courses work along with the members of the Resident Company (selected students receiving a grant for full-time acting and technical work) and members of the community. The Masquers bring a season of light theatre fare (comedies, musicals, children's plays) to Northern West Virginia theatregoers and provide a cultural, recreational, and educational outlet for all participants. The plays are directed, designed, and supervised by the professionally trained members of the Speech Communications and Theatre faculty and/or guest artists. Acting roles and positions on production crews are open to the public as well as to the students, faculty, and staff at Fairmont State University on a volunteer or course-credit basis.

The Studio Theatre presents student-directed and faculty-directed presentations in a studio/experimental setting in Room 314 Wallman Hall. Acting roles and positions on production crews are open to the student body. Students who have demonstrated scholastic and production excellence are offered membership in the Alpha cast of Alpha Psi Omega, the National Dramatic Honorary.

INTRAMURAL SPORTS

The Intramural program offers a variety of recreational opportunities for students, faculty, and staff. Various activities are organized for competitive play among groups, individuals, and organizations. Events such as flag football, basketball, bowling, softball, golf, spades, soccer, volleyball, and foul shooting are some of the activities offered.

The philosophy of the Intramural program is to provide every student not engaged in varsity competition an opportunity to play on a team in some sport(s). It is the goal of the department to promote competition camaraderie and physical fitness while promoting sportsmanship, fair play and respect for competition.

INTERCOLLEGIATE SPORTS

Fairmont State University sponsors an intercollegiate athletic program for men in football, basketball, baseball, cross-country, golf, tennis and swimming. The intercollegiate athletic program for women includes tennis, golf, basketball, volleyball, swim-

ming, softball, and cross-country. Cheerleading is offered for both men and women. FSU provides fine indoor and outdoor facilities and equipment for physical education and recreation. All students are free to participate in any of the intercollegiate sports and in all recreational activities.

ATHLETIC POLICY

The program of intercollegiate sports at Fairmont State is supervised by a Director of Athletics, who is assisted in the planning of the program by an athletic committee made up of faculty.

The general objectives of the intercollegiate sports program at Fairmont State are to teach students the values of sportsmanship, good physical conditioning, and the disciplinary and social values of organized team play. Specific goals include training through participation for prospective coaches and physical education instructors and the acquisition of experiences and skills which may enhance recreational outlets following graduation.

In pursuance of the policies recommended by the North Central Association, the following minimum standards governing intercollegiate athletics are maintained:

- The ultimate responsibility for the conduct of the athletic program rests with the President of the University.
- Students participating in athletics are admitted by the Director of Admissions on the same basis as other students. Athletes are required to maintain the same academic standards as non-athletes.
- The award of scholarships, student loans, and student employment to athletes are made through the same agency of the Institution and on the same basis as grants of aid to all other students. All employed students are required to give full and honest work for pay received.
- All athletic funds are handled by the Business Office. An audit of the receipts and disbursements of these funds is made annually by the Legislative auditors.
- An effort is made to compete only with institutions having similar educational and athletic policies.
- Fairmont State University is a member of the West Virginia Intercollegiate Athletic Conference and the National Collegiate Athletic Association (NCAA). Athletic participation is regulated and controlled by the eligibility rules of the Conference. Copies of these rules are on file in the Office of the Director of Athletics.

Campus Life

GENERAL REGULATIONS

In matters concerning student rights, responsibilities, and social conduct, special reference should be made to the published Student Handbook and the Parking and Vehicle Regulations brochure.

RESIDENCE LIFE

Fairmont State University maintains four residence halls, which accommodate approximately 844 students. Each residence hall provides a learning environment which is designed to enhance academic and social life.

Fairmont State University also owns and operates College Park Apartments, which consists of 113 rental units. Apartment tenants are required to sign a 12-month lease and abide by all rules and regulations as described therein. Prices vary based on apartment type. For more information, contact the Complex Manager at (304) 368-3939.

1. All unmarried freshman students who are under 21 years of age or who do not reside with their families are required to live in university housing, so long as space is available.
2. All residence hall assignments are made for the entire academic year; students may not move or transfer from any residence hall, except to graduate, to withdraw for the remaining part of the academic year, to marry and live with their spouse, to commute to take care of an incapacitated parent, or to move to a different environment for health reasons.
3. Applicants for room reservations must pay a \$150 deposit at the time of application; this fee will be credited to the applicant's room-rental account. Notice of cancellation must be received by Student Affairs by June 1 or the \$150 deposit is forfeited. A \$150 deposit is also required of students who wish to reserve a room for the spring term only. This deposit will be returned if the student vacates the room, provided that the request for a refund is received before December 31. This fee, less any damage, will be returned at the time of withdrawal from the residence hall.
4. All residence hall students and their parents or guardians are responsible for being familiar with the code of behavior, and all other regulations that are listed and explained in the Residence Life Handbook.
5. The University reserves the right to limit the number of students in the residence halls under its control.
6. Students who live in the residence halls must purchase a meal ticket for the Dining Hall.
7. Room and board fees must be paid in full for a semester on or before registration day.
8. Residence halls will be closed during the spring recess and during the Thanksgiving and Christmas vacations.
9. In cases where a preponderance of circumstantial evidence exists of policy violation or criminal action, the student's room will be searched in accordance with the Residence Life Handbook.
10. Any residence hall students who are suspended or expelled from Fairmont State University and/or a residence hall for disciplinary reasons may forfeit their right to any residence hall refund.
11. All residence halls are smoke-free.
12. Alcoholic beverages or illegal substances are not permitted in the Residence Halls.

STUDENT AUTOMOBILE REGULATIONS

The University provides a 940-space parking garage for students as well as parking spaces in defined areas throughout the campus. Parking decals are required and are included in tuition; they can be picked up in 236 Hardway Building. Students receive parking brochures at the time of admission and they are available from the Dept. of Public Safety. Visitor and/or day

passes can be purchased from the Dept. of Public Safety. Additional information may be found in the Student Handbook.

STUDENT ACTIVITY CENTER

The Student Activity Center, centrally located on campus provides an environment where students and employees can comfortably interact with one another while enjoying a variety of fitness and wellness programs, eating areas and study lounges. The campus bookstore, convenience store, dining services, food court, game room and much more are available for both students and employees.

Included in the recreation/fitness areas are: 7,000 square feet of fitness equipment with cardio-theater; five multi-purpose courts marked for basketball, volleyball, badminton and indoor soccer; multi-purpose rooms offering a variety of fitness classes; 25-yard fitness/lap pool, whirlpool, sauna, and outdoor sunning deck; four-lane cushioned jogging/walking track and spacious locker rooms with lockers that may be rented.

CAFETERIA

Marketplace-style breakfasts, lunches and dinners are served Monday through Friday in the Cafeteria, located on the third floor of the Student Activity Center (SAC). Brunch and dinner meals are available on weekends and on some holidays. Students on 15- or 19-meal plans are to attend meals at this location. Commuter students may also dine in the Cafeteria, as all menu offerings are priced a la carte, in addition to the one-price, all-you-care-to-eat option. Commuters have another option – purchasing a “block” of meals, available in blocks of 20, 30 or 50, to be redeemed as the student desires and valid throughout the semester. Every meal plan participant must present his/her student ID card to the cashier to show payment for a meal. To learn more about the dining options and to make suggestions, call the Dining Services office.

FOOD COURT AND CONVENIENCE STORE

The Food Court, located on the second level of the SAC, provides another dining option, especially for those in a hurry. Meal Plan participants may elect to use some of their Flex Dollars at the Food Court, which offers pre-wrapped salads and sandwiches, subs made to order and fresh sandwiches off the grill. All items are individually priced. The Food Court also carries a large inventory of grocery and sundry items, snacks and fountain and bottled beverages, along with a coffee/latte/cappuccino bar.

BOOKSTORE

The Fairmont State Bookstore, located on the second floor of the Student Activities Center, carries all textbooks and school supplies needed for classes and a large selection of Fairmont State wearing apparel and gifts. Other items available include diploma frames, graduation supplies, beach towels, decorative frames, general reading books, reference and test prep books, blankets, greeting cards, computer cables, computer media storage items, postage stamps, blank note cards, school spirit items, plush animals, dorm room supplies, work out items, and much more. Computers and computer software at educational discounts are available.

Special Academic Programs

CREDIT FOR EXPERIENTIAL LEARNING

Fairmont State University recognizes that some students, particularly adults and nontraditional students, may have developed competencies which closely parallel those taught in college-level courses. Through a portfolio review process, the University provides the opportunity for students to receive academic credit for experiential learning which has taken place outside the formal educational structure.

The portfolio is reviewed by appropriate faculty members at Fairmont State University or by other experts if the field of study is not offered by the University. Faculty recommend the number of credit hours to be awarded by subject at the upper and lower levels, equating the credit, if possible, with existing Fairmont State University courses. An evaluation fee is charged for the portfolio review and for receiving college-equivalent credit.

For additional information, contact the Coordinator for Experiential Learning in Room 245, Hardway Hall.

COMMUNITY SERVICE LEARNING

Service Learning is a national movement utilized in a number of colleges and universities in the United States. It is the process of integrating volunteer community service with active guided reflection into the curriculum. This enhances student understanding of course material. The distinguishing characteristic of service learning is its twofold emphasis on both enriching student learning and revitalizing the community. To accomplish this, effective service learning initiatives involve students in course-relevant activities in:

- Understanding the connections between textbook and experiential knowledge.
- Enhancing students' self-esteem through meaningful contributions to the community.
- Engaging students in decision making, critical thinking, and application of learned skills.
- Providing human resources to meet the educational, human, safety and environmental needs of the community.
- Creating a spirit of civic responsibility and leadership.

The pedagogy of service learning represents a substantial change from the traditional curriculum and promotes education as a "process of living" which encourages the processing of information, as well as its accumulation. This constant restructuring of information exemplifies the continuity and reality that exists between life experience and knowledge. The Office of Community Service Learning is 317 EDUCATION, phone 367-4830.

HERNDON LEGISLATIVE FELLOWS PROGRAM

The primary goal of this program is to instruct selected full-time undergraduates in the theory and operation of legislative bodies in multi-dimensional roles. Participants will be designated as legislative interns and will perform assignments in the West Virginia Legislature for the duration of its session. They

will spend a full semester in the study of the operation, role, and functions of legislative bodies.

To be eligible for this program, students must have completed a minimum of 60 undergraduate semester hours or equivalent, with a grade point average sufficient to admit them to the degree program of their choice. At the time of application, students must be enrolled at their home institutions on a full-time basis and cannot be on academic or social probation. Students may not serve as interns if they are subsequently placed on academic or social probation for the period which would include the internship. Each applicant must have taken at least one college course in political science unless, in the judgment of the selection committee, the student's record displays an active and sustained interest in public affairs or the political process, at which time the course requirement may be waived. For additional information, contact the Political Science Department.

FRASURE-SINGLETON STUDENT LEGISLATIVE PROGRAM

The Frasure-Singleton Student Legislative Program provides students the opportunity to observe the West Virginia Legislature for one week during its regular legislative session. Participants are assigned to a legislator who assists in explaining the legislative process. They attend committee meetings and public hearings where legislation and issues are discussed. They sit on the Floor during daily sessions, surrounded by legislators with issue research, constituent requests and other legislative tasks. In addition, participants meet with representatives from all branches of state government, lobbyists, reporters, and legislative staffers.

The program is open to full-time college sophomores, juniors, and seniors from all fields of study. Applicants must be in good academic standing and have successfully completed at least one Political Science course. Participants will earn one semester hour of credit.

For more information, contact the Political Science Department.

LEADERSHIP CERTIFICATION

Fairmont State University provides students with the opportunity to develop their leadership abilities, regardless of their academic major or minor. Leadership Certification is an interdisciplinary humanities program based in the liberal arts and grounded in theory and practical experience. It is designed to enhance a student's college career by linking leadership to self-awareness, personal growth, organizational theory and practical experience in community service.

REQUIRED COURSES:

• Leadership Certification	10 sem. hrs.
INTR 2280 Empowering Leadership	3
INTR 2281 Great Ideas of Leaders	3
MGMT 3390 Human Behavior in Organizations	3
-or -	
PSYC 4410 Theories of Personality	3
HUSV 1103 Community Service Learning.....	1
-or - Phi Theta Kappa Leadership Certificate.....	1

PUBLIC AFFAIRS INTERNSHIPS

The Political Science Department regularly becomes aware of internship opportunities at the local, state, and federal levels of government. These internships can be with members of the state House of Delegates and Senate, the United States Congress, city managers, public interest groups, or state and federal agencies. Internships can take place during the semester or during the summer months. While most of the internships do not include a salary, academic credit can be earned.

For more information, contact the Political Science Department.

THE WASHINGTON CENTER INTERSHIP PROGRAM

The Washington Center for Internships and Academic Seminars gives students the opportunity to live and work in one of the most important cities in the world, and to experience the professional arena, cultural diversity and educational opportunities of the nation's capital. If accepted into the program, students are placed with a program manager who helps them obtain an internship in the field of their choice, whether it be for-profit, nonprofit or government work. The Washington Center Internship allows students to:

- Develop professional skills
- Clarify personal goals
- Improve research and communication skills
- Meet people from across the country and the world
- Prepare for life after college
- Give perspective on their studies
- Investigate a profession of interest
- Apply academic learning to the work world

For additional information, contact the Office of the Associate Provost or visit www.twc.edu.

REGENTS BACHELOR OF ARTS DEGREE PROGRAM

The Regents Bachelor of Arts Degree Program (RBA) is a flexible, nontraditional program designed for adults in the belief that they are distinctly different from traditional undergraduates in their needs. The program can be tailored to fit the needs of those who need a degree for career advancement, those who have an associate degree in a field in which there is no corresponding bachelor's degree available or those who seek intellectual development and personal fulfillment. The Regents Degree has particular appeal for persons who have completed some college work in past years but did not obtain a degree.

ADMISSION

A student is admitted to the Regents Bachelor of Arts Degree Program by submitting the statewide application form to Fairmont State University. Admission to this degree program does not provide for automatic admission to other programs at Fairmont State University. Applicants must have graduated from high school at least four years before admission to the program. Persons with high school equivalency certificates may be admitted four years after their high school class graduated. If an applicant has previous college credit, failing grades received four years or more before admission to the RBA program are disregarded. Any student under the Regents degree program must reapply and meet all admission requirements when changing from the Regents Bachelor of Arts Degree program to any other degree program at Fairmont State University.

REQUIREMENTS

To qualify for graduation, candidates must accumulate a total of 128 semester hours of credit with a quality point average of 2.00. At least 40 hours must be at the upper (3300 or 4400) level. Students must complete 36 semester hours of Liberal Studies courses, including the required semester hours in each of the following areas: Communications (6), Social Sciences (6), Natural Sciences (6), Mathematics or Computer Science (3), Humanities (6), and 9 additional hours. At least 24 semester hours must be taken in the West Virginia State System of Higher Education. The RBA is an interdisciplinary degree with no major. The program can be tailored to meet the needs of individual students.

COLLEGE-EQUIVALENT CREDIT

A unique feature of the Regents Degree program is the possibility of obtaining college-equivalent credit. Credit may be awarded for learning which has taken place outside of a college, if the learning is equivalent to that which results from a college course. The learning may have resulted from work experience, on-the-job training, personal study, the pursuit of hobbies, or from a formal vocational program offered outside of a college or university, such as a hospital nursing course or military service training courses. College-equivalent credit is awarded only for the acquisition of knowledge or skills equivalent to the knowledge or skills acquired in college courses. An applicant for college-equivalent credit will prepare a portfolio, which presents in writing a detailed description of the knowledge or skills acquired outside of the college setting. Supporting documents, such as job descriptions and certificates for the completion of training programs, must be included. Directions for portfolio preparation are available for enrolled students in the RBA Office. The portfolio will be reviewed by appropriate faculty members at Fairmont State or by other experts if a field of study is involved that is not offered by the University. The faculty members will then recommend the hours of credit to be awarded by subject at the upper and lower levels, equating the credit with existing Fairmont State University course offerings. A fee has been established for the assessment process and for the awarding of college-equivalent credit.

For more information on the RBA program, see Jan Williams, Director, 245 Hardway, 367-4707.

MILITARY SCIENCE

(Department of Social Science)

U.S. ARMY MILITARY SCIENCE PROGRAM

The Military Science Reserve Officer Training Corps (ROTC) program provides practical leadership and management training to students desiring to earn officer commissions along with their chosen degrees. The curriculum stresses techniques of organizing, motivating and leading others, including recognizing, comparing and evaluating courses of action. Courses are located at West Virginia University campus in Morgantown, WV.

THE TWO-YEAR PROGRAM

Students at Fairmont State University are usually eligible for the two-year program, which offers the opportunity to achieve the same goals and benefits as the four-year program at an accelerated pace. It is specifically designed for sophomores attending a non-host ROTC institution such as Fairmont. In this program, students first attend Leader's Training Course at Fort Knox, Kentucky, in the summer between their sophomore and junior year. This is a five-week training camp where students may compete for two-year scholarships. Students must have a minimum of 54 hours of college credit with a 2.0 GPA to participate in the program (2.5 to compete for a scholarship). Additionally, if a student is currently in the National Guard, Army Reserve, a veteran from any service or high school JROTC experience of 3 years or more, s/he may qualify for entry into the Advanced Course under the two-year program.

SIMULTANEOUS MEMBERSHIP PROGRAM

Students currently in the Army National Guard or U.S. Army Reserve can participate in the Advanced Course as an SMP cadet. Benefits of the SMP include immediate promotion to Sergeant (E5) for pay purposes in their current unit, receipt of any Montgomery G.I. Bill "Kicker", \$250 monthly stipend and any tuition assistance offered by the service. Currently, the West Virginia National Guard pays 100% in-state or out-of-state tuition for both undergraduate and graduate studies. The Army Reserve offers loan repayment and 75% tuition assistance. Information on these programs may be obtained through the Professor of Military Science at 304-293-2911 Ext. 135. For a detailed overview of Army ROTC, students can call 1-800-USA-ROTC or at www.armyrotc.com.

THE ADVANCED COURSE

The Advanced Course consists of the courses MLSC 3301, 3302, 4401, and 4402. It is open only to students who have completed the Basic Course or earned placement credit for it (through various methods). The Advanced Course is designed to qualify a student for a commission as an officer in the United States Army. Students must complete MLSC 3301 through 4402 and a 32-day Advanced Camp during the summer, usually between the junior and senior years. The courses must be taken in sequence unless otherwise approved by the Professor of Military Science.

PRE-MEDICAL AND PRE-DENTAL CURRICULUM

Students planning to study medicine or dentistry should complete basic science courses as well as a broad range of general education courses with an average of B or better. Students

should carefully consult the catalog of the professional school which they plan to attend. At West Virginia University, the School of Medicine requires a minimum of 90 semester hours of undergraduate work (excluding physical education and ROTC courses) for admission. Pre-medical students should work towards fulfilling the requirements for the Bachelor Degree in either biology or chemistry.

The School of Dentistry requires applicants to have completed three or more academic years of work in the liberal arts.

The following courses will meet the minimum requirements for admission to the Schools of Medicine and Dentistry at West Virginia University:

BIOL 1105, 1106	8
CHEM 1105, 1106	10
CHEM 2201, 2202	8
ENGL 1104, 1108	6
PHYS 1101, 1102	8

In addition, courses in the humanities, social sciences, and advanced courses in biology are suggested in order to acquire a broadened intellectual background.

Pre-Professional Programs

PRE-PHARMACY CURRICULUM

Many schools of pharmacy offer a doctorate of pharmacy that require six years of study beyond high school, two years of pre-pharmacy and four years of study in a professional school of pharmacy. Prospective pharmacy students should plan their programs to meet the requirements of the particular professional school of pharmacy to which they plan to transfer. Students without the necessary prerequisites for calculus will be required to take MATH 1115 or 1112 and 1115. The following two-year preparatory program is suggested; a pre-pharmacy advisor should be consulted for these courses.

First Year		Second Year	
<i>First Semester</i>	<i>Second Semester</i>	<i>First Semester</i>	<i>Second Semester</i>
BIOL 1105	BIOL 1106	CHEM 2201	BIOL 2205
CHEM 1105	CHEM 1106	PHYS 1102	CHEM 2202
ENGL 1104	ENGL 1108		ECON 2200 or
MATH 1190			2201 or 2202
PHYS 1101			PHYS 1102

PRE-MEDICAL TECHNOLOGY CURRICULUM

Medical Technology is a four-year undergraduate program. The first two years may be taken at Fairmont State University. The entrance requirements of schools of medical technology throughout the nation vary considerably; students should carefully consult the catalog of the school which they plan to attend. Students who have completed 60 semester hours, including the following courses, may be eligible for admission to the third year of the medical technology program at West Virginia University.

ENGL	1104	Written English I.....	3
ENGL	1108	Written English II	3
BIOL	1105	Biological Principles I.....	4
BIOL	1106	Biological Principles II.....	4
CHEM	1105	Chemical Principles.....	5
CHEM	1106	Chemical Principles.....	5
CHEM	2201	Organic Chemistry.....	4
CHEM	2202	Organic Chemistry.....	4
MATH	1112	College Algebra.....	3
MATH	1113	Applied Statistics	4

The other classes should total 21 to 24 hours of core classes. Courses such as microbiology, biochemistry and anatomy should not be taken prior to enrollment in the professional schools.

PRE-JOURNALISM CURRICULUM

The journalism minor may also be used in most cases as a pre-journalism curriculum by students planning to transfer at the beginning of their junior year. Students enrolled in this program should consult the college where they will complete their degree for additional course requirements, as Fairmont State University does not have an articulation agreement with any school of journalism. The journalism coordinator should be consulted before enrolling in courses beyond the basic reporting course, JOUR 2240.

In addition to the basic Liberal Studies courses required for any four-year degree, pre-journalism students should enroll in courses listed with information about the journalism minor. (See *College of Liberal Arts, Department of Language and Literature*.)

Pre-journalism students must participate actively in the publication of the student newspaper, *The Columns*, and the yearbook, *Mound*, in order to receive departmental recommendation.

PRE-ENGINEERING CURRICULUM

Students planning graduate-level work in engineering should complete the following course work with a B average or better. Students are advised to carefully consult the catalog of the engineering school which they plan to attend, as Fairmont State University does not have an articulation agreement with any school of engineering.

MATH	1115, 1190.....	8
CHEM	1105, 1106.....	10
ENGL	1104, 1108.....	6
PHED	1100.....	2
PHYS	1101, 1102.....	8
Social Science Elective	.....	3
MECH	1100.....	3
DRFT	1100.....	3

PRE-PHYSICAL THERAPY CURRICULUM

This curriculum is designed to satisfy the course requirements for admission to the professional portion of the curriculum in physical therapy offered by the West Virginia University (WVU) School of Medicine. Fairmont State University (FSU) students must select a major and complete a bachelor's degree prior to application for WVU's Doctorate of Physical Therapy (DPT) program. All applicants to the DPT program are required to have a bachelor's degree before admission. Information on prerequisite equivalent coursework is provided below. Degrees in areas such as Biology and Chemistry will often (but not always) meet these prerequisites. Applicants with degrees in other areas (ie. Philosophy, Psychology, etc.) are encouraged to apply, as long as the equivalent prerequisite coursework has been completed.

Students interested in admission to a Physical Therapy program at an institution other than WVU should consult with their advisor for assistance in getting the information about the course requirements at the other institution.

DPT PREREQUISITE COURSE REQUIREMENTS:

BIOL	1105, 1106	8
CHEM	1105, 1106	10
PSYC	1101, 3330	6
BUSN	3310	3
-or-		
MATH	1113	3
PHYS	1101, 1102	8
ALLH	1100	3
NBAN*	205	3
PSIO**	241	3
-or-	441	4

* this course available on the web; must take the WVU course; contact WVU Dept. of Anatomy

**must take the WVU course; contact WVU Dept. of Physiology

Academic Information

Grading

GRADING SYSTEM

The following system of grading is used at Fairmont State University:

- A — Superior. Given only to students for exceptional performance.
- B — Good. Given for performance distinctly above average in quality.
- C — Average. Given for performance of average quality.
- D — Lowest passing grade, for performance of poor quality.
- F — Failure. Course must be repeated if credit is to be received.
- FIW — Failure because of irregular withdrawal.
- I — Incomplete, a temporary grade given only when students have completed most of the course, but are unable to conclude it because of unavoidable circumstance. Beginning with courses taken during the first semester, 1975-76, the letter grade "I" will be omitted from the calculation of the grade point average for a period of one year following the issuance of the "I." For each letter "I" in a grade report, the instructor must submit a brief description of the course requirements not completed by the student. At the end of the one-year period, the instructor must submit a final grade. If no change is made by the instructor, the grade "I" will be changed to "F."
- W — Withdrew.
- CR — Credit. Does not affect quality points (see below).
- NC — No Credit. Does not affect quality points.
- P — Pass.

QUALITY POINTS

The value of a student's work is indicated by quality points. Candidates for graduation must have at least twice as many quality points as semester hours attempted; that is, a point-average of 2.00 on all college work. Quality points for grades A, B, C, D, are computed as follows:

- A — Four (4) quality points for each semester hour of credit.
- B — Three (3) quality points for each semester hour of credit.
- C — Two (2) quality points for each semester hour of credit.
- D — One (1) quality point for each semester hour of credit.

Students' grade averages are determined by dividing the number of quality points by the number of credit hours scheduled. No quality points are attached to grades F and FIW, but the credit hours for the courses in which these grades are received will be used in computing grade averages.

In order to graduate, candidates for degrees must maintain

a grade point average of 2.00 or better in all college courses and in all credit earned at FSU. An average of 2.00 must also be maintained in the major and minor fields of study. *Students in the teacher education program must attain a grade point average of 2.75 overall, in each teaching field and in professional education.*

It is the student's responsibility to remain informed of quality point standing. This information can be obtained at any time from the Registrar.

Grades earned in other institutions shall not be used to make up a deficiency of quality points in this institution.

EXAMPLE FOR COMPUTING GRADE-POINT AVERAGE

Courses Taken	Final Grade	Quality Points	Sem. X Hours	Quality Points (Total)
ENGL 1104.....	A.....	4.....	3.....	12
BIOL 1101.....	D.....	1.....	4.....	4
HIST 1111.....	B.....	3.....	3.....	9
SOCY 1110.....	C.....	2.....	3.....	6
POLI 1103.....	B.....	3.....	3.....	9
MATH 1101.....	W.....	-.....	-.....	-
			16	40

40 Quality Points

16 Semester Hours = 2.5 Grade-Point Average

CREDIT/NO CREDIT OPTION

Any student who has completed 58 or more semester hours of credit may select one course per semester on a credit/no credit basis; such courses are to be considered part of the regularly scheduled load. A maximum of 15 semester hours may be completed with this option.

Students may not choose this option for the following courses:

- (a) Liberal Studies requirements
- (b) courses necessary for the student's major or minor
- (c) 5-Adult, 9-Adult, Pre K-Adult, 5-9, Pre K-6, the multi-subject field
- (d) professional education for teacher education students

Courses taken under this option will be recorded but will not be reflected in the quality point index. Credit courses will count toward graduation.

Selection of a course for credit/no credit must be made at registration with the approval of the student's academic advisor, and may not be changed after the close of the registration period.

INSTITUTIONAL TESTING PROGRAM

Several standardized comprehensive tests are essential for special groups of students. These tests include, but are not limited to, the following:

AMERICAN COLLEGE TESTING PROGRAM (ACT)

Registration for classes is contingent upon its completion.

COLLEGE LEVEL EXAMINATION PROGRAM (CLEP)

Students who wish to obtain credit by examination should check in room 322 of the Turley Center for test availability.

GRADUATE RECORD EXAMINATION (GRE)

This test is optional for students graduating who expect to attend graduate school. This should be taken during the senior year. Application and information are available in Room 322 Turley Center.

PRE-PROFESSIONAL SKILLS TEST (PPST)

Students must earn passing scores on all three sections (reading, mathematics, and writing) in order to be admitted to Teacher Education. Other requirements exist for admission to Teacher Education. Applications and information are available in Room 322 Turley Center.

PRAXIS II SPECIALTY AREA EXAMS AND PRINCIPLES OF LEARNING AND TEACHING (PLT) TESTS

Students graduating with a Bachelor of Arts Degree in Education are required to take these tests and to achieve the minimum acceptable score for each teaching specialization and developmental level in order to be recommended for licensure. Students normally should take the Specialty Area Exams during the semester prior to their student teaching semester. The PLT exam should be taken during the final semester of their senior year. Applications and information are available in Room 322 Turley Center.

GRADE REPORTS

Students can access mid-term and final grades by logging on to the Fairmont State University Enrollment Center at www.fairmontstate.edu

HONORS PROGRAM

Fairmont State University's Honors Program identifies, encourages and instructs highly motivated, academically superior students. Working within an alternative curriculum, these students enroll in honors general education classes, advanced seminars, and an interdisciplinary colloquium. During their junior and senior years, honors students engage in activities such as independent scholarship, research assignments, internships, and creative projects. The Honors Program encourages students to work closely with other honors students and the honors faculty to explore ideas from various perspectives. Beyond the curriculum, honors students participate in the Honors Association, which provides them with opportunities for field trips, lectures, and cultural events.

DEAN'S LIST

Students who register and receive letter grades for 12 or more hours (excluding credit or audit marks) and receive a grade point average of 3.4 or better are considered honor students and are named to the Dean's List.

GRADUATION WITH HONORS

Candidates for bachelor's degrees who have achieved special distinction in academic work will graduate with honors. Honors are determined by the cumulative quality point average of a student's work at graduation. Three grades of honors are recognized: cum laude for a point average of 3.4-3.69; magna cum laude for a point average of 3.70-3.84; and summa cum laude for a point average of 3.85 or better. Honor designations on diplomas are based upon the entire academic record. Honor designations on the Commencement program are based upon the academic record at the conclusion of the semester prior to Commencement. Candidates for graduation with an associate's degree who maintain a grade point average 3.4 or better will receive the designation of "With Honors" on their diplomas and "Honors" on the Commencement program.

ACADEMIC CREDIT FOR MILITARY SERVICE

Students who have completed basic training in military service may be granted a maximum of four semester hours of credit, which may be used to satisfy Liberal Studies physical education and/or elective requirements. It is the student's responsibility to request this credit and to verify this military experience to the Registrar.

CLASSIFICATION OF STUDENTS

Students who have completed high school or a secondary course and not more than 32 hours of work are classified as freshmen.

Students who have completed 33 hours but not more than 64 hours of college work are classified as sophomores.

Students who have completed 65 hours but not more than 96 hours of college work are classified as juniors.

Students who have completed 97 hours or more of college work are classified as seniors.

TRANSCRIPTS

Students at Fairmont State University are entitled to official transcripts of their record. Students who fail to meet their financial obligations to the University or to any department of the University will not be given transcripts.

A request for a transcript of credit should furnish the date of last attendance at Fairmont State University, and social security number; a married woman should give both her maiden and married names. All requests for transcripts should be sent directly to the Registrar. Students may request transcripts online at www.fairmontstate.edu. It takes 3-5 days to process requests. While there is no charge for transcripts, there is a limit of three requests per day. Rush service is available (limit 3 per day) at a charge of \$9.00 per transcript and transcripts are mailed or available for pick up either the same day or next business day.

Courses

NUMBERING OF COURSES

Courses for freshmen (1100 series) and sophomores (2200 series) constitute the lower level of curriculum. Courses numbered (3300-4499) are primarily for juniors and seniors. Courses numbered 5000 and above are graduate courses. All Liberal Studies Requirements consist of lower-level courses which should be completed by the end of the sophomore year if possible.

Students are strongly advised to take at least eight hours of Liberal Studies courses each semester until the requirements have been met.

ACADEMIC PROCEDURES

Semester Load: In order to be considered for permission to carry more than 18 hours in a given semester, a student must have an overall GPA of 3.0. In addition, the student must have a 3.0 GPA from the previous term OR be enrolled in the last semester prior to graduation. Student Credit Load Exception forms (3/30/05) are available from advisors.

Declaring a Major: All undeclared students must select a major field of study by the beginning of their junior year.

Late Registration: See schedule of fees in the University Catalog for late registration fees. Late registrants often fail to obtain satisfactory schedules, for the policy of the University is to give priority to students who register on time.

Schedule Changes: Students may not add new classes to their schedules after registration has ended. However, within the first week of classes, students can drop and/or add classes. Classes that are dropped during this period do not appear on students' transcripts.

Withdrawal from Class: Students may withdraw from one or more classes with "W" being recorded up to one week prior to the last regularly scheduled class meeting. No withdrawals are permitted from individual classes during the week prior to final week. Students can withdraw by logging on to www.fairmont-state.edu/ec.

Withdrawal from the University: Students can withdraw from the University by logging onto the Enrollment Center at www.fairmontstate.edu/ec and deleting all courses in which they are enrolled. Students who withdraw prior to the last week of classes will receive a grade of "W." Students who fail to follow this procedure will receive an "FIW." Students are urged to print a copy of the transaction for their records.

Repeating a Course: Prior to the receipt of a baccalaureate degree, students may repeat a course in which they earned a grade of "D" or "F." The original grade will not be deleted from the student's record, but it will be removed from the calculation of GPA and the last grade earned will be used in determining grade point average. Students may not repeat a course in which they earned a C or better. This policy applies only to courses taken at Fairmont State University or Fairmont State Community and Technical College.

Minimum Residence Requirements for Graduation: For a four-year degree, at least one year's work in residence is required, and one semester of it must be in the senior year. A "year of residence" must represent not less than 32 hours credit, and a semester is defined as a minimum of 16 hours credit. Exception is made in the case of students who have completed three years of required work at Fairmont State University and who decide to complete the senior year by substituting approved credit earned subsequently in a college of medicine or dentistry.

Application for Graduation: Candidates for graduation must officially apply for a degree in the Office of the Registrar. This should be done one semester in advance and as early in the semester as possible, but not later than 45 days prior to the planned graduation date.

Transient Credit: Regularly enrolled students who complete work at another accredited institution on a transient basis must secure written permission of the Registrar before attempting such course work. Transient credit completed without permission will not be accepted.

NONRESIDENT OR OFF-CAMPUS CREDIT

One hundred (100) semester hours of the 128 required for graduation shall be completed in regularly scheduled Fairmont State University courses. The 28 hours of permissible non-residence courses may be earned by extension, home study (correspondence), radio, television, special examination and/or military service. Credit earned in home study will be accepted only when earned in a regionally approved college. CLEP and ROTC credit are excluded from the above limitation.

SCHEDULING FOR CLASSES

All freshmen and transfer students who apply for admission may preregister during the summer preceding fall enrollment. At the beginning of each semester or term, all students are expected to complete registration on the days designated for this purpose. While all students are expected to register on time, late registration periods are permitted with prescribed limits as set forth in the class schedule, printed or available online each semester. Late registration fees are assessed in accordance with the fee schedule cited under "Expenses and Financial Aid."

AUDITING COURSES

Students may be permitted to attend classes as auditors if they obtain written permission from their advisor and instructors in the classes they want to audit. No student who enrolls in any class as an auditor may, in the same semester, be considered as enrolled in the class for the purpose of obtaining credit.

Auditors are required to complete the regular registration forms and pay regular fees.

ATTENDANCE AND ABSENCES

Students are responsible for familiarizing themselves with the University absence policies, which can be found in the Student Handbook.

ACADEMIC ADVISING SYSTEM

Students are assigned academic advisors when they first enroll at the University. If students desire to change their major fields of study, they should contact the Registrar's Office for re-assignment. Students who are not ready to select a major upon matriculation will be assigned to the Academic Advising Center. Students should discuss problems relating to degree requirements, preregistration, registration, and withdrawals from class or college with their advisors. (See below)

ACADEMIC ADVISING CENTER

The Academic Advising Center offers direct advising services to those students who have not selected a degree program (Undeclared Majors), to prospective students, and to part-time/special students. This service is provided by faculty advisors who are specifically trained to meet the needs of these students.

The Center is located on the second floor of the Hardway Building and is open between 8:00 and 4:00 p.m., Monday through Friday. The Center also offers evening appointments as an additional convenience for students.

The purpose of the Academic Advising Center is to provide the undecided student with comprehensive advising as well as personal and professional support. A concerted effort is made to address any academic problems or concerns which may impede the student's successful completion of the required Liberal Studies curriculum and selection of an academic program.

Undeclared Majors will be assigned to the Academic Advising Center upon entrance to the University. Faculty members may refer any student with academic concerns directly to the Center for academic guidance.

SERVICES:

- Formalized advisor/advisee conferences scheduled throughout the semester.
- Academic assistance and guidance on a drop-in basis for students with immediate concerns or questions.
- Processing of declaration/change of major for undeclared students.
- Summer advising/registration of all new students, transfers, and readmitted students.
- Workshops sponsored by the Center relevant to maximizing academic success.
- Direct information and referral assistance to campus and community services.

TELEVISED COURSES

Each semester, courses by television are offered that will satisfy degree or elective requirements. Student attendance at these courses is required at a minimum of five Saturday classes for orientation, review and midterm and final exams.

OFF-CAMPUS CLASSES

Fairmont State Community and Technical College offers off-campus classes at Vocational Technical Centers and high schools throughout the 13 counties of North Central West Virginia. Coordination between on-campus full-time faculty and adjunct faculty who teach off-campus courses assures the same standards of quality as those courses offered on campus. Students may enroll in off-campus courses and transfer earned credit to

Fairmont State University. All off-campus classes are governed by the policies and procedures in effect at Fairmont State Community and Technical College.

ACADEMIC COMMON MARKET

West Virginia provides for its residents who wish to pursue academic programs not available within the state through the Academic Common Market and through contract programs. Both programs provide for West Virginians to enter out-of-state institutions at reduced tuition rates. Contract programs have been established for study in veterinary medicine, optometry, and podiatry; the Academic Common Market provides access to numerous graduate programs. The programs are restricted to West Virginia residents who have been accepted for admission to one of the specific programs at designated out-of-state institutions. Further information may be obtained through the Office of the Associate Provost.

THE SUMMER SESSION

Fairmont State University offers a ten-week summer session every year. This session is made up of two terms of five weeks each. The requirements for admission and the character of the work offered are the same for the summer session as for the regular year.

All campus activities and facilities are available to students during the summer session. The student body is organized under its own leadership at the beginning of each session. A general program of social, recreational, and dramatic events is scheduled.

STUDY ABROAD PROGRAMS

In keeping with a desire to provide more direct student enrichment programs in international education, Fairmont State University, working through the Office of International Education, provides Study Abroad opportunities to students enrolled in a formal degree or certificate program. Students may receive collegiate academic credit for study and experience occurring outside the United States by enrollment in:

- 1) a resident study abroad or travel-study program sponsored by Fairmont State University;
- 2) a resident study abroad or travel-study program sponsored by FACDIS (The West Virginia Consortium for Faculty and Course Development in International Studies);
- 3) a program directed by faculty members from other West Virginia institutions;
- 4) a program sponsored by a US college or university or Consortium with FSU's approval;
- 5) a foreign university as a special student;
- 6) an accredited US college or university abroad;
- 7) a program sponsored by an organization other than a college or university, with FSU's approval.

Students will be required to obtain prior consent from their academic unit before registering for study abroad programs.

Although such international experience is not required in all programs, study abroad is strongly recommended for students not only in the field of foreign languages but in other fields as well (such as the humanities, social sciences, business, art, etc.). Resident study abroad programs or travel-study programs will

be integrated with traditional academic courses offered at FSU and will become part of the regular institutional curriculum. Study abroad is an important component of a comprehensive studies program which can contribute to the development and growth of the individual student and prepare the student to function more effectively in a global society. Participants in such programs will enhance their preparation for further graduate or professional studies and employment while deriving countless other benefits.

Regulations

Students are responsible for familiarizing themselves with the Student Handbook concerning student rights and responsibilities and matters of academic dishonesty such as cheating and plagiarism.

ACADEMIC DISHONESTY

All students and faculty members are urged to share in the responsibility for removing every situation which might permit or encourage academic dishonesty. Cheating in any form, including plagiarism, must be considered a matter of the gravest concern. Cheating is defined here as the obtaining of information during an examination; the unauthorized use of books, notes, or other sources of information prior to or during an examination; the removal of faculty examination materials; the alteration of documents or records; or actions identifiable as occurring with the intent to defraud or use under false pretense.

Plagiarism is defined here as the submission of the ideas, words (written or oral), or artistic productions of another, falsely represented as one's original effort or without giving due credit.

For the application of the Academic Dishonesty Policy go to <http://www.fairmontstate.edu/sa/studenthandbook>.

PROBATION/SUSPENSION POLICY

(Revised June 2004)

SATISFACTORY ACADEMIC STANDING

A student is deemed to be in *Satisfactory Academic Standing* when his/her cumulative grade point average, based upon coursework taken at Fairmont State University, is 2.00 or higher.

UNSATISFACTORY ACADEMIC STANDING

A student is deemed to be in *Unsatisfactory Academic Standing* when his/her cumulative grade point average, based upon coursework taken at Fairmont State University, is below 2.00.

ACADEMIC PROBATION

1. The status of *Academic Probation* is automatically applied to a student when the cumulative grade point average, based upon coursework taken at Fairmont State University, falls below 2.00.
2. The status of *Academic Probation* will be removed only after the cumulative grade point average, based upon coursework taken at Fairmont State University, is 2.00 or better.

3. A student who is placed on academic probation may continue to enroll on a full-time basis, but will be limited to 15 semester hours.
4. The status of *Academic Probation* will not be noted on the Official Academic Transcript of the student.

ACADEMIC SUSPENSION

1. A student will be deemed to be on Academic Suspension when his/her cumulative grade point average, based upon coursework taken at Fairmont State University, falls below the minimum required GPA in relation to the overall attempted institutional and transfer hours (listed below).

FSU and Transfer Attempted Hours	FSU Minimum GPA*
16-32	(1.45)
33-64	(1.60)
65-96	(1.75)
97+	(1.90)

2. The suspension list will be compiled at the end of the Spring Semester.
3. Students will be placed on probation for one semester before they are subject to suspension.
4. No student with a current semester GPA of 2.00 or better will be suspended.
5. Students will be given the opportunity to attend summer school at Fairmont State University to make up their GPA deficiency.
6. A student who is academically suspended will not be permitted to enroll in coursework at Fairmont State University for one full semester.
7. A student is automatically eligible for readmission after the period of suspension is over, but must reapply through the Office of Admissions to have his/her Academic Suspension hold removed.
8. Fairmont State University will not accept credit for courses taken at any institution while a student is suspended.

A student who is suspended may appeal the decision to the Admissions and Credits Committee of this university. The written appeal must be forwarded to the Chairperson of the Admissions and Credits Committee before the beginning of the following term. The decision of the Admissions and Credits Committee may be appealed to the President. For additional information concerning this procedure, contact the Associate Provost or the Chairperson of the Admissions and Credits Committee.

ACADEMIC FORGIVENESS POLICY

Only the students applying for readmission after the effective date of this policy will be eligible for forgiveness under this policy. This policy supersedes all previous Academic Forgiveness Policies at Fairmont State University. Academic Forgiveness only applies to courses taken at FSU or FSC&TC.

Academic forgiveness is intended for the student who is returning to college with a grade point deficit and who has not been enrolled as a full-time student (12 or more credit hours) in any institution of higher learning during the five consecutive academic years immediately preceding the readmission semester. A student who does not normally qualify for readmission because of a low GPA may be admitted and placed on academic probation, unless s/he has been placed on academic suspension.

When forgiveness is granted, grades of D, F and FW earned prior to the aforementioned five-year period are excluded from the computation of the grade point average. However, no failing grade will be removed from the permanent record. The academic forgiveness policy may be applied after a student has earned 12 credit hours that apply toward graduation, with a minimum GPA of 2.0.

Academic forgiveness will be granted only once for any student. The Registrar will give consideration to a request for forgiveness when he receives a signed, written request from the student which certifies that the student has not been enrolled as a full-time student (12 or more credit hours) in any institution of higher learning during the five consecutive academic years immediately preceding the readmission semester. Should the student have attended any institution of higher education on a part-time basis during the specified five-year period, he/she must have earned at least a 2.0 GPA in all course work attempted. The student's request for forgiveness must be submitted during the readmission semester, and it must identify the non-enrollment period. If all prerequisite conditions have been met, academic forgiveness will be granted at the time the current GPA is calculated officially by the Registrar upon completion of the readmission semester.

The academic forgiveness policy does not alter, change, or amend any other existing policies at Fairmont State University and is formulated to be consistent with Series 20 of the West Virginia Higher Education Policy Commission. This policy pertains only to the calculation of the GPA required for graduation and does not pertain to GPA calculated for special academic recognition (such as graduating with honors) or to requirements for professional certification which may be within the province of licensure boards, external agencies, or the West Virginia Board of Education. The Regents Bachelor of Arts Program is governed by a different forgiveness policy.

The University is not bound by the decision of any other institution to disregard grades earned in college courses. Similarly, students should be aware that academic forgiveness extended by this University may not be recognized by other institutions to which they may transfer.

Liberal Studies Requirements

* <i>Society/Human Interactions options</i>						(6 hours)
Choose two of the following (courses must be from different disciplines):						
PSYC 1101	SOCY 1110	ECON 2200	POLI 1103	POLI 2201	POLI 4405	
GEOG 2210	SOCY 1111	ECON 2201	POLI 2200	POLI 2203		

* <i>Culture/Civilization Exploration options</i>						(9 hours)
Choose one of the following options (6 credits):			AND one of the following classes (3 credits):			
Option I	Option II		Option III			
ENGL 2220	ENGL 2221		ENGL 2230	HIST 1107	HIST 1108	HIST 2211
and one of the following:	and one of the following:		and	HIST 2212	HIST 2213	
ENGL 2221	FREN 3321	ENGL 2220	FREN 3321	PHIL 2200	FREN 3301	SPAN 2201
ENGL 3382	FREN 3330	ENGL 3370	FREN 3330	PHIL 2250	FREN 3310	SPAN 2202
ENGL 3388	FREN 4426	ENGL 3374	FREN 4426	PHIL 3325	FREN 3311	SPAN 3301
ENGL 3389	SPAN 4400	ENGL 3385	SPAN 4400	PHIL 3350	FREN 3312	SPAN 3302
ENGL 3390	SPAN 4401	ENGL 3386	SPAN 4401	PHIL 4475	FREN 3314	SPAN 3310
ENGL 3391	SPAN 4418	ENGL 3387	SPAN 4418	FREN 2201	FREN 4411	SPAN 3320
ENGL 3392		ENGL 3395		FREN 2202	FREN 4426	SPAN 4418

* <i>Scientific Discovery options</i>								(8 hours)
Choose any two of the following:								
BIOL 1101	BIOL 1105	CHEM 1101	CHEM 1105	GEOL 1101	PHYS 1101	PHYS 1105	SCIE 1110	
BIOL 1102	BIOL 1106	CHEM 1102	CHEM 1106	GEOL 1102	PHYS 1102	PHYS 1106	* SCIE 1199	
				GEOL 1103				

* SCIE 1199 courses cover various topics; students may take more than one SCIE 1199 class as long as topics vary.

* <i>Artistic/Creative Expression and Interdisciplinary/Advanced Studies options</i>										(6 hours)
In addition to Appreciation class, choose 3 credit hours from the following:										
In-depth Artistic/Creative Expression courses:			Performance-based courses:				Interdisciplinary/Advanced Studies courses:			
APPD 1116	3		APPD 1102	3	MUSI 1105	1	FOLK 2200	3		
ARCH 1130	3		ART 1142	3	MUSI 1139	1	INTR 1100	3		
ARCH 1160	3		ART 2241	3	MUSI 1167	1	INTR 2201	3		
ART 2278	3		ART 2261	3	MUSI 1168	2	INTR 2280	3		
ART 3377	3		ART 2283	3	MUSI 1169	1	INTR 2281	3		
ART 3378	3		ART 3341	3	MUSI 1172	1	INTR 4402	3		
ART 3380	3		ART 3362	3	MUSI 2247	1	or			
ENGL 3394	3		ART 3363	3	MUSI 2277	1	Any course in a discipline			
FREN 3315	3		ART 3383	3	RECR 1146	2	beyond the 1100 level that is			
MUSI 3313	3		ENGL 3332	3	THEA 1148	1	not required within the			
MUSI 3314	3		ENGL 3333	3	THEA 2212	1	student's major or minor field			
THEA 2260	3		ENGL 3344	3	THEA 2220	3	of study.			
THEA 3392	3		ENGL 3345	3	THEA 2230	3				
			GRAP 2225	3	THEA 2238	1				
			GRAP 2290	3	THEA 2244	3				
			GRAP 4400	3	PHED 1100	2				

WORKSHEET

44 hours (B.S.) - 53 hours (B.A.)

Developmental Classes		(if needed)	First Year Experience		(15 hours)
Semester:	Grade:		Semester:	Grade:	
_____	_____	ENGL 0097	_____	_____	ENGL 1104 (C or better)
_____	_____	MATH 0093	_____	_____	ENGL 1108 (C or better)
_____	_____	MATH 0094	_____	_____	L.S. MATH (not 1101 or 1100)
_____	_____	MATH 0095	_____	_____	INFO 1100
_____	_____	MATH 1100 (as prereq. for MATH 1112)	_____	_____	SPCH 1100

*Must be completed within first 32 credit hours**Must be completed within first 45 credit hours*

* Society/Human Interactions			(6 hours)
(Students must select a course from two different disciplines.)			
Semester:	Grade:	List classes selected:	
_____	_____	_____	
_____	_____	_____	

* Culture/Civilization Exploration			(9 hours)
Choose one of the following options:			
Semester:	Grade:	<u>Option I</u>	<u>Option II</u>
_____	_____	ENGL 2220	ENGL 2221
_____	_____	* ENGL ----	* ENGL ----
_____	_____	* HIST/PHIL/foreign language	_____ (list class selected)
and			

* Scientific Discovery			(8 hours)
Semester:	Grade:	List classes selected:	
_____	_____	_____	
_____	_____	_____	

* Artistic/Creative Expression and Interdisciplinary/Advanced Studies Option			(6 hours)
Semester:	Grade:	ART/INTR/MUSI/THEA 1120	
_____	_____	_____ (list class selected)	

Writing Intensive Course			(Writing Intensive Courses vary by semester; please see online Enrollment Center for current selection.)
Semester:	Grade:	List class selected:	
_____	_____	_____	

Foreign Language Requirement for B.A. Degree				(12 hours)
Semester:	Grade:		Semester:	Grade:
_____	_____	FREN 1101	_____	_____
_____	_____	FREN 1102	_____	_____
_____	_____	FREN 2201	_____	_____
_____	_____	FREN 2202	_____	_____
OR			_____	_____
			_____	_____
			_____	_____
			_____	_____

College of Liberal Arts

■ Martin L. Bond, Dean, College of Liberal Arts
110a Hardway Hall / (304) 367-4162
mbond@fairmontstate.edu

TABLE OF CONTENTS

Department of Language and Literature

1. English	37
2. Folklore Studies	39
3. French	39
4. Journalism	40
5. Spanish	41

Department of Social Science

1. Criminal Justice	42
2. History	43
3. Intelligence Research and Analysis	44
4. Philosophy	45
5. Political Science	45
6. Social Studies	46

Department of Behavioral Science

1. Geography	47
2. Psychology	48
3. Sociology	48

Department of Language and Literature

■ Dr. Rhonda Lemke Sanford, Chair
309 Jaynes Hall / (304) 367-4717
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FACULTY

BAKER, J. ROBERT (1994)

Director, Honors Program

Professor of English

BYERS, JUDY P. (1982)

Director, West Virginia Folklife Center

Abelina Suarez Senior Professor of English

BOND, MARTIN (1982)

Professor of English

Dean of College of Liberal Arts

DELGADO, GILBERTO (2002)

Assistant Professor of Spanish

GEORGE, LELAND M. (1984)

Professor of English

HOKOM, MATTHEW L. (2001)

Assistant Professor of English

IVES, VALERIE C. (2002)

Assistant Professor of French

KELLEY, SUSAN M. (1991)

Professor of English

LONG, DONNA J. (1999)

Associate Professor of English

MATTHEWS, JAMES (2002)

Assistant Professor of English

NESTOR, DEBORAH (1997)

Associate Professor of English

ROMINO, SHARON L. (1987)

Professor of English

SAVAGE, ELIZABETH A. (2001)

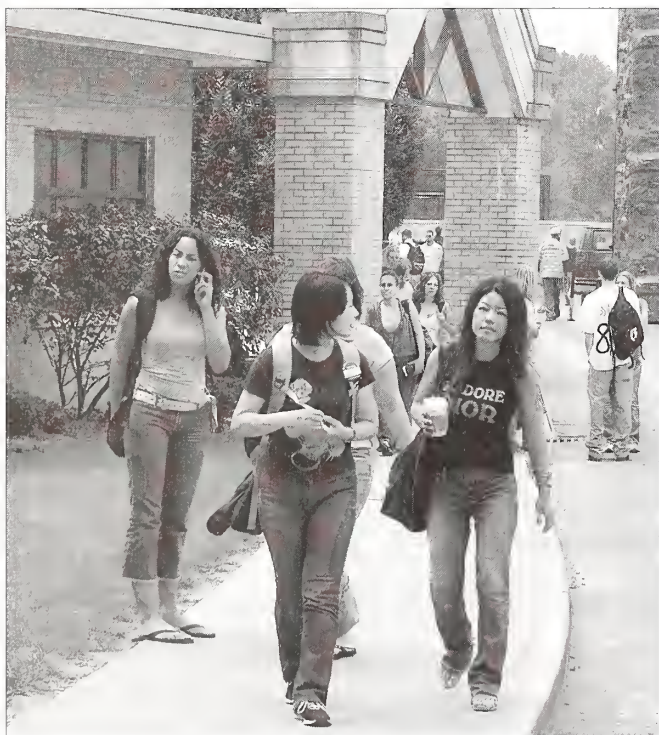
Associate Professor of English

SCHWER, MARY ANGELA (1997)

Associate Professor of English

STEWART, MARY D. (1998)

Temporary Instructor of English/Kestrel Coordinator



ENGLISH

The English Program provides basic instruction in English language and literature as part of the University's Liberal Studies Requirements. Within the study of English are composition, literature and creative and technical writing courses. In addition, the Program offers a bachelor of arts degree and a teaching specialization in English education. Two minors are also available, one in business and technical writing and one in literature. Students in any program may select from a variety of courses to enhance their knowledge of English.

A degree in English Literature (B.A.) opens up an exciting array of professions or graduate and professional studies for students who enjoy the critical study of literature; those who want a career in teaching pursue a major in English Education (B.A. Education); and those who wish to pursue a career in writing may wish to minor in technical writing. Students with English degrees might choose to explore careers in journalism, magazine publishing, public affairs and marketing, or book editing, to name only a few possibilities.

By reviewing high school records and performances on the ACT, the Registrar will determine eligibility for advanced standing and credit in English. To qualify, a student must have semester grades of no lower than B in each of the four units of high school English, and a score of 25 or higher on the English section of the Enhanced ACT or 470 on the English section of the SAT.

See Chapter 6, "Degree Requirements," for further description of Liberal Studies Requirements. Teacher Education students should refer to the School of Education in Chapter 10.

BACHELOR OF ARTS IN ENGLISH	128 sem. hrs.
English Curriculum (see below)	42 sem. hrs.
Liberal Studies Requirements (see Chp. 6)	56 sem. hrs.
Free Electives.....	30 sem. hrs.

• English Curriculum 42 sem. hrs. *Required courses (18 hrs.)*

ENGL 3303	Survey of American Literature I.....	3
ENGL 3304	Survey of American Literature II	3
ENGL 3313	Survey of British Literature I.....	3
ENGL 3314	Survey of British Literature II.....	3
ENGL 3320	Literary Criticism	3
ENGL 3374	Shakespeare	3

• English Electives..... 18 sem. hrs. *Select one from each one of the following groups.*

Group A:

ENGL 3330	Semantics and Pragmatics	3
ENGL 3331	Study of the English Language	3

Group B:

ENGL 3332	Narrative/Descriptive Writing.....	3
ENGL 3333	Writing Non-Fiction.....	3
ENGL 3344	Writing Poetry	3
ENGL 3345	Writing Fiction	3

Group C:

ENGL 3361	Major American Writers 1820-1870	3
ENGL 3362	Major American Writers 1870-1940	3
ENGL 3363	American Novel.....	3

Group D:

ENGL 3370	Literature of the Middle Ages.....	3
ENGL 3373	Chaucer.....	3
ENGL 3375	17th-Century British Literature	3
ENGL 3377	18th-Century British Literature	3

Group E:

ENGL 3378	Literature of the Romantic Period	3
ENGL 3379	Literature of the Victorian Period.....	3
ENGL 3380	Twentieth Century British Literature.....	3
ENGL 3381	The British Novel	3

Group F:

ENGL 3390	Modern Drama	3
ENGL 3391	The Short Story	3
ENGL 3392	Contemporary Poetry	3

• Additional English Electives..... 6 sem. hrs. *Select two courses from the following options.*

Writing Option:

Select two more writing courses from Group B, OR

Literature Option:

Select two courses from the following list or one course from this list and one course from Groups C to F above.

ENGL 3382	World Novel	3
ENGL 3385	The Arthurian Tradition	3
ENGL 3386	The Bible as Literature.....	3
ENGL 3387	Folk Literature.....	3
ENGL 3388	Women's Literature	3
ENGL 3389	Minority Literature	3
ENGL 3393	Southern Literature	3
ENGL 3394	The Art of the Motion Picture	3
ENGL 3395	Journeys in Comparative Mythology	3
ENGL 3399	Special Topics in English	3

MINOR IN ENGLISH 21 sem. hrs. *Required courses (9 hrs.)*

ENGL 3374	Shakespeare	3
ENGL 3303	Survey of American Literature I.....	3
-or-		
ENGL 3304	Survey of American Literature II	3
ENGL 3313	Survey of British Literature I	3
-or-		
ENGL 3314	Survey of British Literature II.....	3

• English Electives..... 12 sem. hrs. *Select one course from each of the following groups (A-E).*

Group A:

ENGL 3330	Semantics and Pragmatics	3
ENGL 3331	Study of the English Language.....	3
ENGL 3332	Narrative and Descriptive Writing	3
ENGL 3333	Writing Non-Fiction.....	3
ENGL 3344	Writing Poetry	3
ENGL 3345	Writing Fiction	3

Group B:

ENGL 3303	Survey of American Literature I	3
-or-		
ENGL 3304	Survey of American Literature II	3
ENGL 3361	Major American Writers, 1820-1870	3
ENGL 3362	Major American Writers, 1870-1940	3
ENGL 3363	American Novel.....	3

Group C:

ENGL 3313	Survey of British Literature I.....	3
-or-		
ENGL 3314	Survey of British Literature II.....	3
ENGL 3370	Literature of the Middle Ages.....	3
ENGL 3373	Chaucer.....	3
ENGL 3375	17th-Century British Literature.....	3
ENGL 3377	18th-Century British Literature.....	3
ENGL 3378	Literature of the Romantic Period.....	3
ENGL 3379	Literature of the Victorian Literature.....	3
ENGL 3380	Twentieth Century British Literature.....	3
ENGL 3381	The British Novel.....	3
ENGL 3382	The World Novel.....	3

Group D:

ENGL 3320	Literary Criticism.....	3
ENGL 3382	World Novel.....	3
ENGL 3385	The Arthurian Tradition.....	3
ENGL 3386	The Bible as Literature.....	3
ENGL 3387	Folk Literature.....	3
ENGL 3388	Women's Literature.....	3
ENGL 3389	Minority Literature.....	3
ENGL 3390	Modern Drama.....	3
ENGL 3391	The Short Story.....	3
ENGL 3392	Contemporary Poetry.....	3
ENGL 3393	Southern Literature.....	3
ENGL 3394	The Art of the Motion Picture.....	3
ENGL 3395	Journeys in Comparative Mythology.....	3
ENGL 3399	Special Topics in English.....	3

Group E:

ENGL 3332	Narrative and Descriptive Writing.....	3
ENGL 3333	Writing Non-Fiction.....	3
ENGL 3344	Writing Poetry.....	3
ENGL 3345	Writing Fiction.....	3

**MINOR IN BUSINESS AND
TECHNICAL WRITING**

..... 18 sem. hrs.

Required Courses (18 hrs.)

ENGL 1109	Technical Report Writing.....	3
ENGL 3330	Semantics and Pragmatics.....	3
ENGL 3333	Writing Non-Fiction.....	3
ENGL 3349	Advanced Technical Communication.....	3
JOUR 2240	Reporting I (including lab).....	3
JOUR 3312	The Publication Process.....	3

**BACHELOR OF ARTS IN EDUCATION:
TEACHING FIELD IN ENGLISH**

GRADES 5-ADULT	128 sem. hrs.
English Curriculum (see below).....	45 sem. hrs.
Liberal Studies Requirements (see Chp. 10).....	45 sem. hrs.
Professional Education Courses.....	33 sem. hrs.
Free Electives.....	5 sem. hrs.

Note regarding Liberal Studies requirements for this degree:

If a student has taken either ENGL 2230 or 2231 (but not both), s/he must take both ENGL 2220 and 2221. If a student has taken both ENGL 2230 and 2231, s/he must also take ENGL 2220.

• English Curriculum 45 sem. hrs.**Required Courses (33 hrs.)**

ENGL 3301	Theories of Language I.....	3
ENGL 3302	Theories of Language II.....	3
ENGL 3303	Survey of American Literature I.....	3
ENGL 3304	Survey of American Literature II.....	3
ENGL 3313	Survey of British Literature I.....	3
ENGL 3314	Survey of British Literature II.....	3
ENGL 3332	Narrative and Descriptive Writing.....	3
ENGL 3355	Young Adult Literature.....	3
ENGL 3374	Shakespeare.....	3
ENGL 4431	Methods of Teaching English.....	3
JOUR 3312	The Publication Process.....	3

• English Electives..... 12 sem. hrs.

Select one from each of the following groups.

British Literature

ENGL 3370	Literature of the Middle Ages.....	3
ENGL 3373	Chaucer.....	3
ENGL 3375	17th-Century British Literature.....	3
ENGL 3377	18th-Century British Literature.....	3
ENGL 3378	Romantic Literature.....	3
ENGL 3379	Victorian Literature.....	3
ENGL 3380	Twentieth Century British Literature.....	3
ENGL 3381	British Novel.....	3

American Literature

ENGL 3361	Major American Writers 1820-1870.....	3
ENGL 3362	Major American Writers 1870-1920.....	3
ENGL 3363	American Novel.....	3
ENGL 3393	Southern Literature.....	3

Study of Genre

ENGL 3390	Modern Drama.....	3
ENGL 3391	Short Story.....	3
ENGL 3392	Contemporary Poetry.....	3
ENGL 3382	World Novel.....	3

Specialized Studies

ENGL 3395	Journeys in Comparative Mythology.....	3
ENGL 3385	The Arthurian Tradition.....	3
ENGL 3386	Bible As Literature.....	3
ENGL 3387	Folk Literature.....	3
ENGL 3388	Women's Literature.....	3
ENGL 3389	Minority Literature.....	3
ENGL 3394	Art of the Motion Picture.....	3
ENGL 3399	Special Topics.....	3

• Professional Education..... 33 sem. hrs.			
EDUC	2200	Intro. to Education	3
EDUC	2201	Instructional Technology	3
EDUC	2202	Human Growth and Development	3
EDUC	2202L	Laboratory - Clinical I	1
EDUC	3331	Reading in the Content Areas	3
EDUC	3351	Human Exceptionalities and Cultural Diversity	3
EDUC	3351L	Laboratory - Clinical II	1
EDUC	3352	Educational Psychology	3
EDUC	3352L	Laboratory - Clinical II	1
EDUC	3395	Second. Classroom Org. & Practices	4
EDUC	4495	Secondary Student Teaching/Clinical III	8

FOLKLORE STUDIES (MINOR ONLY)

Students interested in the study of folklore and folklife learn to examine and analyze traditional expressive culture in all its forms. In every society, agricultural and industrial, rural and urban, folklore is a vital part of life. Since folklore study deals with so many forms of human expression which are typically transmitted by tradition, it is connected to all departments that deal with literature, art, and music, as well as anthropology, psychology, sociology, history, philosophy, linguistics, design and pedagogy.

A folklore studies specialization prepares the student for graduate studies and professional involvement in such areas as preservation, archiving, teaching, curating, historical parks and museum management, entertainment and storytelling.

This 19-hour interdisciplinary academic minor, which can be attached to most liberal arts majors, is one of the features of the West Virginia Folklife Center at FSU. Under the Department of Language and Literature, the Center is dedicated to the identification, preservation and perpetuation of our region's rich cultural heritage through academic studies, educational programs, festivals, performances and publications, such as *Traditions: A Journal of West Virginia Folk Culture and Educational Awareness* and *West Virginia Folk News*.

• Minor in Folklore Studies 19 sem. hrs.			
FOLK	2200	Introduction to Folklore	3
FOLK	2200L	Field Research/Oral History Techniques	1
FOLK	3300	Folk Literature	3
FOLK	3301	Material Culture	3
FOLK	3302	Regional Cultural Geography & History	3
FOLK	4400*	Directed Folklore Study	3-6
FOLK	4401	Folklore Application	3

* Only 3 hours are required, but students may wish to intensify their study with the additional hours offered.

FRENCH

French is the language of diplomacy. It is the official language of the European Union and the second language of the United Nations, and is spoken in 40 countries. Students taking French courses enroll in a program aimed at developing skills in reading, speaking, listening and writing the language. There is also instruction in French civilization, culture, and literature, all aimed at an understanding of the Francophone world. Students

preparing to teach French and those preparing for careers in international relations and business have available a series of courses in conversation and composition to establish these advanced skills.

The Program is designed to engage students in developing and perfecting their language skills through a broad scope of activities. Coursework offers maximum interaction among students and between students and instructors, beginning with the first lesson. Comprehensive skills are enhanced with the use of audio tapes and compact discs, which allow students to sharpen their listening skills while working on their pronunciation. A variety of supporting materials, including French magazines, newspapers, literary pieces, and videos, contextualizes study and develops students' cultural awareness.

Advanced Placement allows French majors and minors with previous experience in the target language to accelerate their program. A placement exam will determine at what level the student may begin.

See Chapter 6, "Degree Requirements," for further description of Liberal Studies Requirements. Teacher Education students should refer to the School of Education in Chapter 10.

BACHELOR OF ARTS IN FRENCH	128 sem. hrs.
French Curriculum (see below).....	30 sem. hrs.
Liberal Studies Requirements (see Chp. 6)	56 sem. hrs.
Free Electives	42 sem. hrs.

BACHELOR OF ARTS IN EDUCATION: TEACHING FIELD IN FRENCH

GRADES 5-ADULT	128 sem. hrs.
French Curriculum (see below).....	33 sem. hrs.
Liberal Studies Requirements (see Chp. 10)	45 sem. hrs.
Professional Education Courses	33 sem. hrs.
Free Electives	17 sem. hrs.

• French Curriculum.....30/33 sem. hrs. <i>Required courses (30/33 hrs.)</i>			
FREN	1101	Elementary French I	3
FREN	1102	Elementary French II	3
FREN	2201	Intermediate French I	3
FREN	2202	Intermediate French II	3
FREN	3311	French Composition & Conversation I	3
FREN	3312	French Composition & Conversation II	3
FREN	3314	French Civilization and Culture	3
FREN	3321	Contemporary Literature	3
FREN	4411	Adv. French Composition and Conversation ..	3
FREN	4426	Main Currents of French Lit. and Culture	3
FREN	4431	Methods and Materials in Teaching French....	3
<i>(Required for the B.A. in Education)</i>			

• Professional Education..... 33 sem. hrs. <i>(Required for the B.A. in Education)</i>			
EDUC	2200	Intro. to Education	3
EDUC	2201	Instructional Technology	3
EDUC	2202	Human Growth and Development	3
EDUC	2202L	Laboratory - Clinical I	1
EDUC	3331	Reading in the Content Areas	3
EDUC	3351	Human Exceptionalities & Cultural Diversity ..	3
EDUC	3351L	Laboratory - Clinical II	1
EDUC	3352	Educational Psychology	3
EDUC	3352L	Laboratory - Clinical II	1
EDUC	3395	Second. Classroom Org. & Practices	4
EDUC	4495	Secondary Student Teaching/Clinical III	8

• Minor in French	24 sem. hrs.
<i>Required Courses (15 hrs.)</i>	
FREN 1101 Elementary French I	3
FREN 1102 Elementary French II	3
FREN 2201 Intermediate French I.....	3
FREN 2202 Intermediate French II.....	3
FREN 3311 French Composition & Conversation I.....	3
-or-	
FREN 3312 French Composition & Conversation II.....	3

• Electives 9 sem. hrs.

Select from any of the remaining courses listed under the French major.

JOURNALISM

The Journalism curriculum provides students with a varied academic program and many choices for practical media experience. Students may select from the following Journalism programs:

I. *Journalism as a minor*, compatible with any four-year major in either the B.A or B.S. degrees. This option provides non-teaching students with two choices:

- 1.) the 18-hour minor, applicable to any bachelor's degree or as preparation for students planning to transfer to professional journalism schools;
- 2.) the 18-hour Technical Writing program, applicable also to any bachelor's degree, for those who want greater focus on writing and more preparation for the variety of commercial and industrial writing and editing careers available to them.

II. *Journalism as part of the Regents' degree*, with a combination of coursework and practical experience dependent upon individual programs and on administrative approval.

These programs provide additional expertise in journalism through staff work on the award-winning student publications—*The Columns*, the University's weekly newspaper; *Mound*, the yearbook; and *Whetstone*, the student art and literary journal. Students also develop professional skills through the required capstone experience (an internship with an off-campus media-related organization), in which students work under the supervision of a professional journalist.

Students in the Journalism Program should consult the Program Coordinator either before enrolling or before the end of their first semester to determine an appropriate schedule and sequence of courses. All students in good standing are eligible to apply for staff work on student publications; to explore this option, students should consult the Student Publications Advisor and the appropriate editor.

Journalism courses are open as electives to students in any field. Specific courses are required, however, of students in Graphics/Fine Arts (Journalism 2240 and 3312) and in English Education (Journalism 3312). Students in these programs should check with the Program Coordinator about course sequence and prerequisites, listed with course descriptions in this catalog.

Because prospective teachers need to be aware of the impact of mass communications today, students in teacher education programs are encouraged to take one or more of the introductory courses, such as Reporting I, Communications and Society, or the History of American Journalism.

The Journalism Program has seven defined learning outcomes for its students, who will be able to:

- 1.) Relate the development of American journalism from its origins to its current effect on society.
- 2.) Articulate their understanding of the basic production methods of many media, including print, broadcast and computerized media.
- 3.) Study the legal and ethical aspects of publication, including libel laws, the Constitution, and precedents of the US legal system.
- 4.) Learn basic reporting styles and practice those skills in the style prescribed by the current edition of the Associated Press Handbook.
- 5.) Demonstrate the basics of two of the most common publication software programs, PageMaker and QuarkXPress.
- 6.) Practice their skills as staff members of one of the recognized FSU student publications.
- 7.) Gain real-world journalistic experience by completing an internship at an approved site.

See Chapter 6, "Degree Requirements," for further description of Liberal Studies Requirements. Teacher Education students should refer to the School of Education in Chapter 10.

BACHELOR OF ARTS IN EDUCATION: TEACHING FIELD IN JOURNALISM

GRADES 5-ADULT	128 sem. hrs.
Journalism Curriculum (<i>see below</i>)	24 sem. hrs.
Liberal Studies Requirements (<i>see Chp. 10</i>)	45 sem. hrs.
Professional Education Courses	33 sem. hrs.
Free Electives.....	26 sem. hrs.

• Journalism Curriculum 24 sem. hrs.
Required courses (24 hrs.)

JOUR 2240 Reporting I (and L2240)	3
JOUR 2270 Communications in Society	3
JOUR 2280 History of American Journalism	3
JOUR 3312 The Publications Process.....	3
JOUR 3334 News Photography	3
JOUR 3341 Journalism Practice	3
MKTG 3320 Advertising and Sales Promotion	3
ENGL 4431 Methods and Materials	3

• Professional Education..... 33 sem. hrs.

EDUC 2200 Intro. to Education	3
EDUC 2201 Instructional Technology	3
EDUC 2202 Human Growth and Development	3
EDUC 2202L Laboratory - Clinical I	1
EDUC 3331 Reading in the Content Areas	3
EDUC 3351 Human Exceptionalities & Cul. Diversity.....	3
EDUC 3351L Laboratory - Clinical II	1
EDUC 3352 Educational Psychology	3
EDUC 3352L Laboratory - Clinical II	1
EDUC 3395 Second. Classroom Org. and Practices	4
EDUC 4495 Secondary Student Teaching/Clinical III	8

• Pre-Journalism or Journalism Minor..... 18 sem. hrs.
Required courses (18 hrs.)

JOUR 2240 Reporting I (and L240)	3
JOUR 2270 Communications in Society	3
JOUR 2280 History of American Journalism	3
JOUR 3312 The Publications Process.....	3
JOUR 3334 News Photography	3
JOUR 3341 Journalism Practice	3

JOURNALISM MINOR:

TECHNICAL WRITING OPTION 18 sem. hrs.

Required courses (15 hrs.)

ENGL	1109	Technical Report Writing.....	3
ENGL	3330	Semantics and Pragmatics.....	3
JOUR	2240	Reporting I (and L240).....	3
JOUR	3312	The Publications Process.....	3
JOUR	3341	Journalism Practice.....	3

• Electives 3 sem. hrs.

Select one of the two courses below.

ENGL	3333	Writing Non-Fiction.....	3
ENGL	3349	Advanced Technical Communications.....	3

In addition, the following electives are suggested but not required:

ENGL	3333	Writing Non-Fiction.....	3
ENGL	3349	Advanced Technical Communications.....	3
JOUR	3334	News Photography.....	3

SPANISH

As Spanish is now the second most-spoken language in the U.S., employment opportunities are significantly strengthened for majors. In education, there is widespread need for Spanish teachers at all levels. In many settings, Spanish proficiency has become essential for placement in such professions as social work, criminal justice, business and banking, and allied health areas. Spanish courses at Fairmont State University are designed to develop students' skills in speaking, comprehension, reading, and writing the language. They will also gain an understanding of Hispanic culture both outside and inside the United States. Students preparing to teach Spanish and those wishing to integrate Spanish into their chosen professions will be able to choose from a variety of courses aimed at helping them reach their career goals.

Spanish majors are strongly encouraged to spend at least one semester abroad in a Spanish-speaking country, preferably but not necessarily in their junior year. Students have the option of traveling to a Spanish-speaking country and doing research on an approved topic, for which they will receive 3 credit hours (SPAN 4402). Students in approved internships (SPAN 3300) will receive 3-6 upper-division credit hours, depending upon the type and duration of the internship.

Advanced Placement allows Spanish majors and minors with previous experience in the target language to accelerate their program. A placement exam will determine at what level the student may begin.

See Chapter 6, "Degree Requirements," for further description of Liberal Studies Requirements. Teacher Education students should refer to the School of Education in Chapter 10.

BACHELOR OF ARTS IN SPANISH 128 sem. hrs.

Spanish Curriculum (see below)	36 sem. hrs.
Liberal Studies Requirements (see Chp. 6)	56 sem. hrs.
Free Electives.....	36 sem. hrs.

• Spanish Curriculum 36 sem. hrs.

Required courses (27 hrs.)

SPAN	1101	Elementary Spanish I.....	3
SPAN	1102	Elementary Spanish II.....	3
SPAN	2201	Intermediate Spanish I.....	3
SPAN	2202	Intermediate Spanish II.....	3

SPAN	3301	Spanish Composition & Conversation I.....	3
SPAN	3302	Spanish Composition & Conversation II.....	3
SPAN	4400	Survey of Latin American Literature.....	3
SPAN	4401	Survey of Peninsular Literature.....	3
SPAN	3310	Spanish Civilization & Culture.....	3
-or-			
SPAN	3320	Latin American Civilization & Culture.....	3

• Spanish Electives..... 9 sem. hrs.

Students may select from the following list or choose other courses approved by their advisor.

SPAN	1199	Special Topics	3
SPAN	2200	Language Through Video	3
SPAN	2250	Spanish for the Medical Professions.....	3
SPAN	2251	Spanish for Criminal Justice.....	3
SPAN	2252	Spanish for the World Economy.....	3
SPAN	3300	Undergraduate Internship	3-6
SPAN	3350	History of the Spanish Language.....	3
SPAN	4402	Independent Study	3-6
SPAN	4418	US Hispanic Cultures & Literature.....	3
SPAN	4431	Methods: Second Language Acquisition.....	3

BACHELOR OF ARTS IN EDUCATION:

TEACHING FIELD IN SPANISH

GRADES PRE K-ADULT 128 sem. hrs.

Spanish Curriculum (see below)	36 sem. hrs.
Liberal Studies Requirements (see Chp. 10)	45 sem. hrs.
Professional Education Courses.....	33 sem. hrs.
Free Electives.....	14 sem. hrs.

• Spanish Curriculum 36 sem. hrs.

Required courses (33 hrs.)

SPAN	1101	Elementary Spanish I.....	3
SPAN	1102	Elementary Spanish II.....	3
SPAN	2201	Intermediate Spanish I.....	3
SPAN	2202	Intermediate Spanish II.....	3
SPAN	3301	Spanish Composition & Conversation I.....	3
SPAN	3302	Spanish Composition & Conversation II.....	3
SPAN	3350	History of the Spanish Language.....	3
SPAN	4400	Survey of Latin American Literature.....	3
SPAN	4401	Survey of Peninsular Literature.....	3
SPAN	4431	Methods: Second Language Acquisition.....	3
SPAN	3310	Spanish Civilization & Culture.....	3
-or-			
SPAN	3320	Latin American Civilization & Culture.....	3

• Spanish Electives..... 3 sem. hrs.

Students may select from the following list or choose other courses approved by their advisor.

SPAN	1199	Special Topics	3
SPAN	2200	Language Through Video	3
SPAN	3300	Undergraduate Internship	3-6
SPAN	3310	Spanish Civilization and Culture.....	3
SPAN	3320	Latin American Civilization & Culture.....	3
SPAN	4402	Independent Study	3-6
SPAN	4418	US Hispanic Cultures & Literature.....	3

• Professional Education 33 sem. hrs.

EDUC	2200	Intro. to Education.....	3
EDUC	2201	Instructional Technology.....	3
EDUC	2202	Human Growth and Development.....	3
EDUC	2202L	Laboratory - Clinical I.....	1

EDUC	3331	Reading in the Content Areas	3
EDUC	3351	Human Exceptionalities & Cultural Diversity	3
EDUC	3351L	Laboratory - Clinical II	1
EDUC	3352	Educational Psychology	3
EDUC	3352L	Laboratory - Clinical II	1
EDUC	3395	Second. Classroom Org. & Practices.....	4
EDUC	4495	Secondary Student Teaching/Clinical III.....	8

MINOR IN SPANISH 24 sem. hrs.

Required courses (24 hrs.)

SPAN	1101	Elementary Spanish I.....	3
SPAN	1102	Elementary Spanish II	3
SPAN	2201	Intermediate Spanish I.....	3
SPAN	2202	Intermediate Spanish II.....	3
SPAN	3301	Spanish Composition & Conversation I.....	3
SPAN	3302	Spanish Composition & Conversation II.....	3
SPAN	3310	Spanish Civilization and Culture.....	3
-or-			
SPAN	3320	Latin American Civilization & Culture	3
SPAN	4400	Survey of Latin American Literature	3
-or-			
SPAN	4401	Survey of Peninsular Literature	3

Department of Social Science

■ **Dr. Deanna Shields, Chair**
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 FAX: (304) 367-4785
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FACULTY

BARTOLO, ANN D. (2001)
Temporary Instructor of Criminal Justice

BOBANGO, GERALD J. (2004)
Assistant Professor of History

FULDA, MICHAEL (1971)
Professor of Political Science

HOBBS, THOMAS W. (2002)
Assistant Professor of History

MILLEN-PENN, KENNETH (1995)
Professor of History

NOONE, DIANA C. (2004)
Assistant Professor of Criminal Justice

RYAN, PATRICIA P. (1966)
Professor of Political Science

SHIELDS, CHARLES (1996)
Associate Professor of Criminal Justice

SPROWLS, GEORGE F. (1998)
Associate Professor of Political Science

CRIMINAL JUSTICE

Criminal Justice examines the structure, functions, and decision-making processes of agencies that deal with crime and criminal offenders. As an independent academic discipline, criminal justice is comparatively new. Interest in criminal justice education was spurred by the "war on crime" during the 1960s and the resulting massive federal funding to upgrade criminal justice agencies, technology, programming and education of criminal justice personnel.

Faculty in this program provide expertise in law enforcement, investigations, corrections, criminal law and theory. The Bachelor of Science in Criminal Justice allows the student to choose an area of concentration, either law enforcement or corrections. Majors are assigned a faculty advisor who will assist in selection of courses relevant to individual interests and career aspirations.

Students with a B.S. degree in criminal justice qualify for employment in city, county, state and federal criminal justice agencies, and in the rapidly-growing private industrial security field. A number of graduates continue their education in graduate programs in criminal justice, criminology or law. The Program also offers a new Master of Science in Criminal Justice degree.

See Chapter 6, "Degree Requirements," for further description of Liberal Studies Requirements.

BACHELOR OF SCIENCE IN

CRIMINAL JUSTICE 128 sem. hrs.

Criminal Justice Curriculum (*see below*) 60 sem. hrs.

Liberal Studies Requirements (*see Chp. 6*) 44 sem. hrs.

Minor 18 sem. hrs.

Free Electives 6 sem. hrs.

• Criminal Justice Curriculum 60 sem. hrs.

Required courses (24 hrs.)

CRJU 1100 Introduction to Criminal Justice 3

CRJU 1101 Police Operations 3

CRJU 2202 Principles of Criminal Law 3

CRJU 2206 Introduction to Corrections 3

CRJU 2212 Abnormal Behavior & Crisis Intervention 3

CRJU 2240 Adjudication Process 3

CRJU 3320 Criminology 3

CRJU 4410 Research in Criminal Justice 3

-or-

CRJU 4425 Evaluation of Criminal Justice System 3

• Social Science Electives 21 sem. hrs.

Students must choose courses from at least three different disciplines.

GEOG 3315 Urban Geography 3

HIST 3319 Recent America 3

POLI 2204 Introduction to Public Administration 3

POLI 2205 State and Local Government 3

POLI 3303 Amer. Constitutional Government & Law 3

POLI 4404 Civil Liberties in the U.S. 3

POLI 4405 Terrorism 3

PSYC 2230 Social Psychology 3

PSYC 2250 Community Psychology 3

PSYC 3300 Abnormal Psychology 3

PSYC 4494 Interpersonal Dynamics 3

PSYC 4495 Psychology of Delinquency 3

SOCY 2200 Social Problems 3

SOCY 3310 Sociology of the Family 3

SOCY 3340 Juvenile Delinquency 3

SOCY 4450 Minority Groups 3

• Concentrations 15 sem. hrs.

Choose either Law Enforcement or Corrections.

Law Enforcement

(Must include a minimum of 12 hours of 3300-4400 level courses.)

CRJU 1199 Special Topics 1-6

CRJU 2203 Computer Crime 3

CRJU 2205 Natural Resources Laws 3

CRJU 2209 Firearms 3

CRJU 2215 Introduction to Private Security 3

CRJU 2218 Police Administration 3

CRJU 2220 Juvenile Justice Process 3

CRJU 2236 Criminal Investigation 3

CRJU 2246 Criminal Evidence 3

CRJU 2256 Homicide Investigation 3

CRJU 3300 Criminalistics 3

CRJU 3301 Internet Vulnerabilities & Criminal Acts. 3

CRJU 3304 The Female Offender 3

CRJU 3305 Changing Roles of Women in Criminal Justice 3

CRJU 3310 Comparative Criminal Justice 3

CRJU 3316 Community Relations and Ethics 3

CRJU 3325 Analysis of Security Operations 3

CRJU 3340 Laws of Arrest, Search and Seizure 3

CRJU 3365 Licit and Illicit Drugs 3

CRJU 3370 Economic Crime 3

CRJU 3399 Special Issues in Criminal Justice 3-9

CRJU 4401 Independent Study 1-6

CRJU 4405 Terrorism 3

CRJU 4410 Research in Criminal Justice 3

CRJU 4411 Field Practicum 3-12

CRJU 4415 Community Policing 3

CRJU 4425 Evaluation of the Criminal Justice System 3

CRJU 4495 Seminars in Criminal Justice Management 3

Corrections

(Must include a minimum of 12 hours of 3300-4400 level courses.)

CRJU 1199 Special Topics 1-6

CRJU 2203 Computer Crime 3

CRJU 2209 Firearms 3

CRJU 2220 Juvenile Justice Process 3

CRJU 2236 Criminal Investigation 3

CRJU 2246 Criminal Evidence 3

CRJU 2255 Law of Corrections 3

CRJU 3300 Criminalistics 3

CRJU 3304 The Female Offender 3

CRJU 3305 Changing Roles of Women in Criminal Justice 3

CRJU 3316 Community Relations and Ethics 3

CRJU 3330 Group Disturbances 3

CRJU 3340 Laws of Arrest, Search and Seizure 3

CRJU 3350 Group Techniques 3

CRJU 3355 Analysis of Correctional Operations 3

CRJU 3360 Community Based Corrections 3

CRJU 3365 Licit and Illicit Drugs 3

CRJU 3370 Economic Crime 3

CRJU 3399 Special Issues in Criminal Justice 3-9

CRJU 4401 Independent Study 1-6

CRJU 4405 Terrorism 3

CRJU 4410 Research in Criminal Justice 3

CRJU 4411 Field Practicum 3-12

CRJU 4425 Evaluation of Criminal Justice System 3

CRJU 4495 Seminars in Criminal Justice Management 3

MINOR IN CRIMINAL JUSTICE 18 sem. hrs.

Required Courses (9 hrs.)

CRJU 1100 Introduction to Criminal Justice 3

CRJU 1101 Police Operations 3

CRJU 2206 Introduction to Corrections 3

• Electives 9 sem. hrs.

Students must choose approved CRJU courses from the 3300-4400 level.

HISTORY

Every person, every place, every thing on earth has a history, a story of its past, that can help us understand human existence and human behavior. The History Program's major and minor draw upon a broad curriculum that encompasses regional, national and international history, as well as such special topics as the revolutions in history and diplomatic history. The History Program offers two types of majors. The Bachelor of Arts degree has the traditional emphasis on language skills, especially through study of a foreign language. It is a good choice for students thinking about postgraduate study. The Bachelor of Science degree develops basic capabilities in statistics and computer science. It is a good choice for students interested in the modern social science approach to historical understanding.

The great advantages of historical study are:

- 1.) Emphasis on developmental and evolutionary aspects of human experience.
- 2.) Examination of many different fields of human activity.
- 3.) Use of insights and methods of many other fields.

Students completing a bachelor's degree in history may enter professional practice in academic history (teaching and writing), public history (archives and special research, consultancy) or publishing (print, electronic, film and television documentary). The history major also provides excellent preparation for careers in law, government, politics, foreign service, historical preservation and journalism.

See Chapter 6, "Degree Requirements," for further description of Liberal Studies Requirements.

BACHELOR OF ARTS IN HISTORY 134 sem. hrs.
 History Curriculum (see below) 60 sem. hrs.
 Liberal Studies Requirements (see Chp. 6) 56 sem. hrs.
 Minor 18 sem. hrs.

BACHELOR OF SCIENCE IN HISTORY 128 sem. hrs.
 History Curriculum (see below) 57 sem. hrs.
 Liberal Studies Requirements (see Chp. 6) 44 sem. hrs.
 Minor 18 sem. hrs.
 Free Electives 9 sem. hrs.

• **History Curriculum** 54/57 sem. hrs.
Required courses (21/24 hrs.)

ENGL	3322	Narrative and Descriptive Writing	3
-or-			
ENGL	3333	Writing Non-Fiction	3
HIST	1107	United States History I	3
HIST	1108	United States History II	3
HIST	2211	World Civilizations I	3
HIST	2212	World Civilizations II	3
HIST	2213	World Civilizations III	3
HIST	4498	Senior Seminar	3
POLI	2240	Nonparametric Statistics	3

(Bachelor of Science only)

• **History Electives** 6 sem. hrs.

ECON	2200	Economics	3
ENGL	3382	The World Novel	3
INTR	1100	Race, Class, and Gender	3
PHIL	2250	The Great Philosophers	3
PHIL	3325	Ethics	3
POLI	2200	Introduction to Political Science	3
POLI	3304	Amer. Constitutional Government and Law	3
PSYC	2220	History of Psychology	3
PSYC	2230	Social Psychology	3
SOCY	1111	Introduction to Anthropology	3
SOCY	3360	Methods of Social Research	3

• **Advanced History Electives** 27 sem. hrs.
Selected with advisor's approval and must include at least three courses from each of the two groups listed below. Advanced electives may be taken only when prerequisites are met or with the instructor's permission.

Group I. United States History

HIST	3302	West Virginia	3
HIST	3310	Diplomatic History of the United States	3

HIST	3315	Colonial America	3
HIST	3316	The Early Republic	3
HIST	3317	Civil War and Reconstruction	3
HIST	3318	Gilded Age to the Great Crash	3
HIST	3319	Recent America	3
HIST	3333	Social History of the American Woman	3
HIST	3344	African-American History and Culture	3

Group II. World History and Topical Studies

HIST	3351	History of England	3
HIST	3352	History of Russia	3
HIST	4405	History of Africa	3
HIST	4410	History of Asia	3
HIST	4420	History of Latin America	3
HIST	4425	Medieval Europe	3
HIST	4431	Recent Europe	3
HIST	4455	Revolutions in History	3
HIST	4475	Philosophy of History	3

MINOR IN HISTORY 21 sem. hrs.

Required courses (6 hrs.)

HIST	1107	United States History I	3
HIST	1108	United States History II	3

• **Electives** 6 sem. hrs.

Select two of the following courses:

HIST	2211	World Civilizations I	3
HIST	2212	World Civilizations II	3
HIST	2213	World Civilizations III	3

• **Advanced Electives** 9 sem. hrs.

Select three courses from Group I (United States History) and Group II (World History and Topical Studies), shown above. At least one course must be taken from each group.

INTELLIGENCE RESEARCH ANALYSIS

The Intelligence Research Analysis Program is a concentration in the Social Sciences which is designed to provide the necessary background for students to pursue careers as research and/or intelligence analysts in government agencies and private enterprise. The work of these analysts, whether relating to national security or criminal investigative activities, involves the preparation of assessments based on the collection, correlation, and analysis of intelligence data.

Students seeking a Bachelor of Arts degree in Intelligence Research Analysis and must apply to the Intelligence, Research Analysis Program advisor and successfully complete an interview. To be recommended for graduation, the student must have a minimum GPA of 3.0 in all courses. Students who earn a grade of D or less in a course within the concentration must repeat that course.

The program advisor will conduct an annual review of the academic progress of all students enrolled in the program. Students whose GPA falls below 3.0 or who might otherwise exhibit behavior that is not conducive to ensuring employment in this field will be placed on probation or dropped from the program, depending on the outcome of the review.

BACHELOR OF ARTS IN INTELLIGENCE

RESEARCH ANALYSIS	128 sem. hrs.
Intelligence Research Analysis Curriculum (see below)	57 sem. hrs.
Liberal Studies Requirements (see Chp. 6)	56 sem. hrs.
Free Electives	15 sem. hrs.

• Intelligence Research Analysis Curriculum 57 sem. hrs. *Required courses (51 hrs.)*

HIST	1107	U.S. History I	3
HIST	1108	U.S. History II	3
HIST	2213	World Civilizations III	3
HIST	3301	History of Intelligence and Nat. Security	3
HIST	3310	Diplomatic History	3
SOCY/POLI	2240	Statistics	3
POLI	1103	American Government	3
POLI	2201	Principles of International Relations	3
POLI	2203	Comparative Government	3
POLI	2204	Introduction to Public Administration	3
POLI	3310	Recent Political Theory	3
POLI	3340	Research Methods and Analysis	3
-or-			
CRJU	4410	Research in Criminal Justice	3
POLI	3350	International Law and Organization	3
POLI	4405	Terrorism	3
PHIL	3350	Comparative Religions	3
SSCI	1101	Intro. to Intelligence Research	3
SSCI	4450	IRA Senior Seminar Project	3

• Intelligence Research Analysis Electives 6 sem. hrs.

ECON	3302	Macroeconomics	3
CRJU	2236	Criminal Investigation	3
CRJU	2246	Criminal Evidence	3
CRJU	3310	Comparative Criminal Justice	3
CRJU	3325	Ethics	3
SSCI	2200	Field Experience Practicum	3

MINOR IN INTELLIGENCE

RESEARCH ANALYSIS	21 sem. hrs.
<i>Required courses (21 hrs.)</i>	

CRJU	2246	Criminal Evidence	3
CRJU	4410	Research in Criminal Justice	3
HIST	3310	Diplomatic History	3
POLI	2204	Introduction to Public Administration	3
POLI			4405
Terrorism 3			
SSCI	1101	Intro. to Intelligence Research	3
SSCI	2200	Field Experience Practicum	3

PHILOSOPHY (MINOR ONLY)

Philosophy is neither dogma nor advice for daily living nor a body of truisms. Rather, it examines the premises on which systematic thought may rest; it explores the types of thought that may be produced in such areas of concern as ethics, politics, aesthetics, metaphysics, and epistemology; and it evaluates the advantages and disadvantages inherent in various modes and systems of thought. Thus philosophy encourages the thinking person to develop a sophisticated self-conception and world-view, and to examine his/her values, expectations, commitments and loyalties in a rational and realistic manner.

MINOR IN PHILOSOPHY	15 sem.hrs.
<i>Required courses (6 hrs.)</i>	

PHIL	2200	Introduction to Philosophy	3
PHIL	2250	Great Philosophers	3

• Electives 9 sem. hrs. *Choose from any of the remaining Philosophy courses available.*

POLITICAL SCIENCE

The Political Science curriculum is designed to provide an understanding of the political process in its many manifestations, including the structure of government institutions, the political behavior of individuals and groups, the study of public problems characteristic of modern societies, and a consideration of the interrelationships of institutions at different levels of government.

The principal objectives of the Political Science Program are:

- 1.) To lay the basis for an understanding of governmental and administrative processes for individuals planning public service careers in national, state, or local government
- 2.) To foster an understanding of the substance and methods of the study of government and politics as preparation for graduate work in political science or public administration
- 3.) To provide thorough preprofessional training for students anticipating law school.

Courses allow students to concentrate in broad fields and to develop more specialized programs reflecting their particular interests. Generally, 1100-2200 level courses are survey courses and 3300-4400 level courses cover more specific topics. While both the major and minor in political science typically consist of necessary introductory work, the faculty strongly urges students to take Nonparametric Statistics (POLI 2240) and Seminar in Political Science (POLI 4470). Schedules should be planned in consultation with an advisor, and students are encouraged to explore a variety of courses. Eligible students are also encouraged to intern in Washington, D.C. with the Washington Center for Internships and Academic Seminars (see Chapter 4, Special Academic Programs).

See Chapter 6, "Degree Requirements," for further description of Liberal Studies Requirements.

BACHELOR OF ARTS IN

POLITICAL SCIENCE	128 sem. hrs.
Political Science Curriculum (see below)	36 sem. hrs.
Liberal Studies Requirements (see Chp. 6)	44 sem. hrs.
Minor	18 sem. hrs.
Free Electives	18 sem. hrs.

• Political Science Curriculum 36 sem. hrs. *Required courses (21 hrs.)*

POLI	1103	American Government	3
POLI	2200	Introduction to Political Science	3
POLI	2201	Principles of International Relations	3
POLI	2203	Comparative Government	3
POLI	2240	Nonparametric Statistics	3
POLI	3340	Political Science Research Methods	3
POLI	4470	Seminar in Political Science	3

- **Political Science Electives** 15 sem. hrs.
Students may choose from among any advanced Political Science courses, with their advisor's approval.

MINOR IN POLITICAL SCIENCE 18 sem. hrs.
Required courses (6 hrs.)

POLI	1103	American Government.....	3
POLI	2200	Introduction to Political Science	3

- **Electives** 12 sem. hrs.
Students may choose from among any advanced Political Science courses, with their advisor's approval.

MINOR IN PUBLIC ADMINISTRATION 21 sem. hrs.
Required courses (15 hrs.)

FINC	2201	Introduction to Finance.....	3
MGMT	2209	Principles of Management	3
MGMT	3308	Personnel Management	3
POLI	2204	Introduction to Public Administration	3
SOCY	3360	Methods of Social Research	3

- **Electives** 6 sem. hrs.
- | | | | |
|------|------|---|---|
| BUSN | 3310 | Statistics..... | 3 |
| MGMT | 3390 | Human Behavior in the Organization..... | 3 |
| MGMT | 4409 | Quantitative Management..... | 3 |
| POLI | 2205 | State and Local Government..... | 3 |

MINOR IN INTERNATIONAL STUDIES 21 sem. hrs.
Required courses (12 hrs.)

BUSN	3320	International Business	3
GEOG	3305	Economic Geography	3
PHIL	3350	Comparative Religions	3
POLI	2201	Principles of International Relations	3

- **International Studies Electives** 9 sem. hrs.
Select from at least two disciplines.

BIOL	2285	Tropical Studies.....	3
ECON	3308	International Economics	3
ENGL	3381	The British Novel	3
ENGL	3382	The World Novel.....	3
FREN	3314	French Civilization and Culture.....	3
GEOG	3340	Geography of Europe	3
GEOG	3350	Geography of Latin America.....	3
GEOG	3360	Geography of Africa.....	3
GEOG	3370	Geography of Asia	3
HIST	3310	Diplomatic & Military History of the U.S.	3
HIST	3351	History of England	3
HIST	3352	History of Russia	3
HIST	4405	History of Africa	3
HIST	4410	History of Asia.....	3
HIST	4420	History of Latin America.....	3
HIST	4431	Recent Europe	3
HIST	4455	Revolutions in History.....	3
PHIL	3325	Ethics.....	3
POLI	2203	Comparative Government	3
POLI	3321	U.S. Foreign Policy	3
POLI	3350	International Law and Organization	3
POLI	3393	Future Global Crises.....	3
POLI	4405	Terrorism.....	3
POLI	4406	International Problems.....	3
POLI	4411	Area Studies	3

POLI	4412	Area Studies	3
POLI	4413	Area Studies	3
SOCY	3301	Ethnology	3
SPAN	3310	Spanish Civilization & Culture.....	3
SPAN	3320	Latin American Civilization & Culture	3

SOCIAL STUDIES

The Social Studies 5-Adult Comprehensive Specialization is intended for those students preparing to teach in elementary, middle, or secondary schools. This degree program leads to a B.A. in Education and is designed to provide the interdisciplinary foundation necessary for teachers entering an integrated social science curriculum. Students desiring to teach a particular subject, such as history, should augment the required courses with appropriate elective hours. Courses marked with an asterisk must be completed prior to admission to the Initial Performance Practicum and are offered only in the Fall Semester. Successful completion of PRAXIS (PPST) Test is a prerequisite.

See Chapter 10, the School of Education, for further description of Liberal Studies Requirements.

BACHELOR OF ARTS IN EDUCATION, TEACHING FIELDS IN SOCIAL STUDIES GRADES 5-ADULT

.....	137 sem. hrs.
Social Studies Curriculum (see below).....	60 sem. hrs.
Liberal Studies Requirements (see Chp. 10)	44 sem. hrs.
Professional Education Courses	33 sem. hrs.

- **Social Studies Curriculum**..... 60 sem. hrs.
Required Courses (51 hrs.)

ECON	2200	Economics	3
GEOG	2210	Introduction to Geography	3
GEOG	3305	Economic Geography	3
GEOG	3315	Urban Geography	3
GEOG	3330	Geography of North America	3
GEOG	3340	Geography of Europe	3
GEOG	3350	Geography of Latin America.....	3
GEOG	3360	Geography of Africa.....	3
GEOG	3370	Geography of Asia	3
HIST	1107	United States History I.....	3
HIST	1108	United States History II.....	3
HIST	2211	World Civilizations I	3
HIST	2212	World Civilizations II	3
HIST	2213	World Civilizations III.....	3
HIST	3302	West Virginia.....	3
HIST	3319	Recent America	3
HIST	4431	Recent Europe.....	3
POLI	1103	American Government.....	3
POLI	2200	Introduction to Political Science	3
SOCY	1110	Introductory Sociology	3
SOCY	3301	Ethnology	3
SSCI	*4431	Methods & Materials of Teach. Soc. Studies... 3	
SSCI	*4498	Interdisciplinary Seminar	3

- **Electives** 9 sem. hrs.
Select one of the following options.

Option 1: A second teaching field outside the social sciences, grades 5-Adult.

See Chapter 10, School of Education, for more information.

Option 2: Social Science Advanced Studies

These advanced studies in the social sciences allow prospective teachers to explore and understand the state guidelines for teacher education and the corresponding competencies in greater depth. These may be chosen from:

ECON	2202	Economic Principles & Problems II.....	3
ECON	3301	Inter. Economic Analysis: Microeconomics	3
ECON	3302	Inter. Economic Analysis: Macroeconomics ...	3
ECON	3303	Money, Credit & Banking.....	3
GEOG	3305	Economic Geography	3
GEOG	3315	Urban Geography	3
GEOG	3330	Geography of North America	3
GEOG	3340	Geography of Europe	3
GEOG	3350	Geography of Latin America.....	3
GEOG	3360	Geography of Africa.....	3
GEOG	3370	Geography of Asia	3

HIST ANY COURSE

PHIL	2200	Introduction to Philosophy	3
PHIL	2250	Great Philosophers	3
PHIL	3325	Ethics.....	3
PHIL	3350	Comparative Religion.....	3
PHIL	4475	Philosophy of History	3
POLI	2201	Principles of International Relations.....	3
POLI	2203	Comparative Government	3
POLI	2205	State & Local Government	3
POLI	3303	Political Parties	3
POLI	3304	Amer. Constitutional Government and Law..	3
POLI	3305	American Political Theory	3
POLI	3306	The American Presidency.....	3
POLI	3307	Congress & the Legislative Process	3
POLI	3310	Recent Political Theory	3
POLI	4404	Civil Liberties in the U.S.....	3
POLI	4410	Problems in American Government	3
POLI	4411	Area Studies	3
POLI	4412	Area Studies	3
POLI	4413	Area Studies	3
PSYC	1101	Introduction to Psychology I.....	3
PSYC	2230	Social Psychology	3
PSYC	2250	Community Psychology	3
PSYC	3300	Abnormal Psychology	3
PSYC	3330	Developmental Psychology	3
PSYC	3393	Future Global Crises.....	3
PSYC	4410	Theories of Personality	3
PSYC	4491	Psychopathology of Child. and Adolescence .	3
PSYC	4493	The Psychology of Aging.....	3
PSYC	4494	Interpersonal Dynamics.....	3
PSYC	4495	The Psychology of Delinquency	3
SOCY	2200	Social Problems.....	3
SOCY	2230	Social Psychology	3
SOCY	3310	Sociology of the Family	3
SOCY	3340	Juvenile Delinquency.....	3
SOCY	4430	Community Organization.....	3
SOCY	4450	Minority Groups	3

• Professional Education 33 sem. hrs.

EDUC	2200	Intro. to Education	3
EDUC	2201	Instructional Technology	3
EDUC	2202	Human Growth and Development	3
EDUC	2202L	Laboratory - Clinical I	1
EDUC	3331	Reading in the Content Areas	3
EDUC	3351	Human Exceptionalities and Cul. Diversity....	3
EDUC	3351L	Laboratory - Clinical II	1
EDUC	3352	Educational Psychology	3
EDUC	3352L	Laboratory - Clinical II	1
EDUC	3395	Second. Classroom Org. & Practices.....	4
EDUC	4495	Secondary Student Teaching/Clinical III.....	8

Department of Behavioral Science

■ Dr. Clarence Rohrbaugh, Interim Chair
110e Hardway Hall / (304) 367-4669
FAX: (304) 367-4785
crohrbaugh1@fairmontstate.edu

FACULTY

CAMERON, ROBERT B. (1972)
Professor of Psychology

FITCH, JOHN R. (1970)
Associate Professor of Sociology

JOSHI, TULASI R. (1972)
Professor of Geography

KATO, TADASHI (2003)
Assistant Professor of Psychology

LARRY, JOSEPH (1974)
Associate Professor of Sociology/Psychology

ROHRBAUGH, CLARENCE C. (2002) (G)
Assistant Professor of Psychology

SHAVER, ANN V. (1997)
Associate Professor of Psychology

SHAVER, A. JOSEPH (1988)
Professor of Psychology

WHITE, CRAIG C. (1967)
Coordinator of Sociology
Professor of Sociology

YOUNG, JAMES R. (1967)
Coordinator of Geography
Associate Professor of Geography

GEOGRAPHY (MINOR ONLY)

The Geography Program strives to create an environment in which the students are challenged to promote their own intellectual, social and personal development. Course offerings are designed to develop many worthwhile concepts, skills and attitudes. Students learn the manner in which people from different parts of the world make use of their natural/cultural environments, as well as how life and events in different parts of the world interrelate with one another. A background in geography is appropriate for possible careers in education, agriculture, industry, government, business, community planning and military service.

MINOR IN GEOGRAPHY 18 sem. hrs.

Required courses (9 hrs.)

GEOG 2210 Introduction to Geography 3
GEOG 3305 Economic Geography 3
GEOG 3315 Urban Geography 3

• Electives 9 sem. hrs.

Select any other courses in geography or geology.

PSYCHOLOGY

Psychology is the science that deals with the study of behavior. The Psychology Program at FSU has been developed to provide a strong foundation of applied and theoretical knowledge for those students anticipating either future graduate training or immediate employment. All Psychology majors are required to complete a minimum of 40 hours, which allows the student to develop a broad knowledge base within the discipline. Students may also pursue additional coursework in the areas of Community, Industrial and Forensic Psychology. The psychology curricula are ideal for students anticipating graduate work in various areas of psychology, social work and counseling. Students who are preparing for the areas of medicine and law also utilize the psychology major.

Psychology majors are encouraged to select a number of elective specialized psychology courses that could serve to expand their breadth of knowledge in particular areas of psychological interest. They may choose courses from either the Community Service or the Industrial Personnel specialized courses to satisfy their future professional needs.

Students with a B.S. degree in psychology are eligible for a variety of entry-level positions in the areas of education, business, management, advertising, government, health-care, criminal justice and sales.

See Chapter 6, "Degree Requirements," for further description of Liberal Studies Requirements.

BACHELOR OF SCIENCE IN

PSYCHOLOGY 128 sem. hrs.

Psychology Curriculum (*see below*) 40 sem. hrs.

Liberal Studies Requirements (*see Chp. 6*) 44 sem. hrs.

Free Electives 44 sem. hrs.

• Psychology Curriculum 40 sem. hrs.

Required courses (40 hrs.)

PSYC 1101 Introduction to Psychology 3
PSYC 2220 History & Systems of Psychology 3
PSYC 2230 Social Psychology 3
PSYC 2240 Statistics 4
PSYC 3300 Abnormal Psychology 3
PSYC 3310 Experimental Psychology 3
PSYC 3330 Developmental Psychology 3
PSYC 3350 Biopsychology 3
PSYC 3370 Theories of Learning 3
PSYC 3390 Foundations of Psychology 3
PSYC 4400 Psychometrics 3
PSYC 4410 Theories of Personality 3
PSYC 4460 Seminar 3

• Optional Specialized Electives

Community Service

Psychology majors interested in enhancing community service delivery knowledge and skills are encouraged to take six to 12 hours from the following specialized courses.

PSYC 2250 Community Psychology 3
PSYC 3399 Special Topics 3
PSYC 4480 Directed Studies 1-3
PSYC 4490 Directed Research 1-3
PSYC 4491 Psychopathology of Child. & Adolescence 3

PSYC	4493	The Psychology of Aging.....	3
PSYC	4494	Interpersonal Dynamics.....	3
PSYC	4495	Delinquency.....	3
PSYC	4497	Practicum.....	3
PSYC	4485	Advanced Psychometrics.....	3

Industrial Personnel

Psychology majors interested in enhancing skills relevant to industrial personnel careers are encouraged to take six to 12 hours from the following specialized courses.

PSYC	2260	Industrial and Personnel	3
PSYC	3360	Cognitive Psychology	3
PSYC	4480	Directed Studies.....	3
PSYC	4490	Directed Research.....	3
PSYC	4481	Methods.....	3
PSYC	4485	Advanced Psychometrics	3
PSYC	4487	Practicum.....	3

MINOR IN PSYCHOLOGY 18 sem. hrs.

The psychology minor offers students the opportunity to enhance their major academic area with an emphasis on behavioral understanding and insight. To ensure the selection of relevant courses, students interested in obtaining a psychology minor should discuss their plans with a psychology faculty member. Students must meet any prerequisite requirements before taking courses.

Required courses (3 hrs.)

PSYC	1101	Introduction to Psychology	3
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• Electives 15 sem. hrs.

Any two courses from the 2200 level	6
Any three courses from the 3300 or 4400 level	9

FORENSIC PSYCHOLOGY

(See Chapter 13, *Interdisciplinary Programs*)

SOCIOLOGY

Sociology is the systematic study of society and human activity. The Bachelor of Science degree in Sociology is designed to enhance the student's ability to understand various forms of social and cultural interaction. With an emphasis on both sociological and anthropological theory and research, the sociology degree is useful preparation for advanced graduate study as well as entry-level employment. The Program will expand a student's ability to question and understand various forms of social interaction in social and cultural systems. The courses offered here will provide knowledge of the substantive areas of sociology and anthropology, the use of concepts and research techniques of sociological investigation, and background in sociological theory.

Students with a B.S. degree in Sociology frequently find employment in entry-level positions within public administration, advertising, business, social service agencies, health services, community planning and teaching. Many sociology majors also pursue graduate study in such areas as sociology, social work, public administration, anthropology and law.

See Chapter 6, "Degree Requirements," for further description of Liberal Studies Requirements.

BACHELOR OF SCIENCE IN SOCIOLOGY 128 sem. hrs.

Sociology Curriculum (<i>see below</i>)	30 sem. hrs.
Liberal Studies Requirements (<i>see Chp. 6</i>)	44 sem. hrs.
Free Electives.....	54 sem. hrs.

• Sociology Curriculum..... 30 sem. hrs.

Required courses (18 hrs.)

SOCY	1110	Introductory Sociology	3
SOCY	2200	Social Problems.....	3
SOCY	2240	Nonparametric Statistics.....	3
SOCY	3301	Ethnology	3
SOCY	3360	Methods of Social Research	3
SOCY	4470	Sociological Theory	3

• Sociology Electives 9 sem. hrs.

Any two courses from 2200 level	6
Any two courses from 3300 or 4400 level	6

MINOR IN SOCIOLOGY 18 sem. hrs.

Required courses (9 hrs.)

SOCY	1110	Introductory Sociology	3
SOCY	2200	Social Problems.....	3
SOCY	3301	Ethnology	3

• Electives 9 sem. hrs.

College of Science and Technology

■ Dr. Phillip J. Mason
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TABLE OF CONTENTS

Department of Biology, Chemistry and Geoscience

1. Biology	51
2. Chemistry	52
3. Geology	53

Department of Physics, Mathematics and Computer Science

1. Physics/Physical Science	53
2. Mathematics.....	54
3. Computer Science.....	56

Department of Technology

1. Aviation Technology	58
2. Architectural Engineering Technology	59
3. Civil Engineering Technology	61
4. Electronics Engineering Technology.....	62
5. Mechanical Engineering Technology	63
6. Safety/Environmental Engineering Technology ..	64
7. Graphics Technology	65
8. Technology Education	66



Department of Biology, Chemistry and Geoscience

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FACULTY

BAUR, ANDREAS (2000)
Associate Professor of Chemistry

BAXTER, HARRY N., III (1985)
Professor of Chemistry

BRADLEY, DANIEL J. (2001)
President of Fairmont State University
Professor of Chemistry and Engineering Technology

FLOOD, MARK R. (1994)
Professor of Biology

GRAVES, VALERIE (2004)
Temporary Assistant Professor of Science Education

HARVEY, ERICA L. (1994)
Professor of Chemistry

HEMLER, DEBRA A. (2000)
Coordinator of Science Education
Associate Professor of Science Education

HUGGINS, PAMELA A. (2002)
Assistant Professor of Biology

MAGRO, ALBERT (1992)
Senior Professor of Biology

MORRIS, TONY E. (1994)
Professor of Biology

SCANLON, MATTHEW (1991)
Professor of Chemistry

TRISEL, DONALD E. (1995)
Associate Professor of Biology

YEAGER, PHILLIP E. (1999)
Associate Professor of Biology

BIOLOGY

Biology, the study of life, is a wide-ranging and rapidly growing discipline. Understanding biology requires a working knowledge of all the sciences, especially chemistry and mathematics. The biology program at FSU strives to provide students with a broad-based education in all fields of biology as well as a fundamental knowledge of chemistry and mathematics. Students are required to complete basic courses in biology designed to provide a comprehensive understanding of living organisms. Electives allow students the flexibility to gain additional knowledge in an area of interest. No minor is required for biology majors.

A four-year B.S. degree in biology will prepare students to compete for entry level jobs such as lab technician, wildlife biologist, research scientist or naturalist among others. While a bachelor's degree in biology will help students get a job, many careers require additional education beyond the B.S. degree. Many of our best students compete successfully for admission to graduate study at institutions across the country. A biology degree will also provide the pre-professional training required by many fields such as dentistry, medicine, pharmacy, and veterinary medicine, among others.

Students who major in biology select one of the following degree programs:

- 1.) the Bachelor of Science degree as preparation for employment, professional school or graduate study
- 2.) the Bachelor of Science degree with an emphasis in biotechnology as preparation for employment, professional school, or graduate study
- 3.) Bachelor of Arts in Education degree with a specialization in biology, as preparation for teaching biology in grades 9-Adult. All courses must be completed prior to admission to the Initial Performance Practicum.

In addition to meeting the graduation requirements listed for the B.S. in Biology or B.A. in Education degree, students must also:

- 1.) obtain a grade of "C" or better in BIOL 1105, 1106, 2202, and 2203
- 2.) successfully complete an assessment exam the semester before applying for graduation.

See Chapter 6, "Degree Requirements," for further description of Liberal Studies Requirements. Teacher Education students should refer to the School of Education in Chapter 10.

BACHELOR OF SCIENCE IN BIOLOGY 128 sem. hrs.
 Biology Curriculum (see below) 68 sem. hrs.
 Liberal Studies Requirements 33 sem. hrs.
 (see Chp. 6 for LSRs not completed through the major)
 Free Electives 27 sem. hrs.

- **Biology Curriculum** 68 sem. hrs.
Required courses (56 hrs.)
 BIOL 1105 Biological Principles I 4
 BIOL 1106 Biological Principles II 4
 BIOL 2202 General Botany 4
 BIOL 2203 General Zoology 4
 BIOL 3306 Fundamentals of Ecology 4
 BIOL 3368 Animal Physiology 4
 -or-
 BIOL 3370 Plant Physiology 4
 BIOL 3380 Genetics 4
 BIOL 3390 Molecular Biotechnology 4

BIOL	4485	Senior Seminar	2
CHEM	1105	Chemical Principles I	5
CHEM	1106	Chemical Principles II	4
CHEM	1113	Practical Scientific Stat. with a Spreadsheet...	1
CHEM	2201	Organic Chemistry I	4
CHEM	2202	Organic Chemistry II	4
MATH	1185	Applied Calculus I	4
-or-			
MATH	1190	Calculus I	4

- **Biology Electives** 12 sem. hrs.
Students must take courses from at least two different areas listed below.

Cellular/Molecular Area

BIOL	3360	Biochemistry	4
BIOL	4420	Developmental Biology	4

Organismal Area

BIOL	3312	Advanced Botany	4
BIOL	3315	Invertebrate Zoology	4
BIOL	3316	Vertebrate Zoology	4

Population/Community Area

BIOL	3330	Aquatic Ecology	4
BIOL	3331	Terrestrial Ecology	4

- **Additional requirements for biotechnology emphasis** 25-27 sem. hrs.
 BIOL 3360 Biochemistry 4
 CHEM 2205 Analytical Chemistry 4
 CHEM 3301 Physical Chemistry 4
 CHEM 4405 Advanced Integrated Lab 1
 MATH 1113 Applied Statistics 4
 PHYS 1101/02 Intro to Physics 8
 -or -
 PHYS 1105/06 Principles of Physics I and II 10

MINOR IN BIOLOGY 24 sem. hrs.

Required courses (16 hrs.)

BIOL	1105	Biological Principles I	4
BIOL	1106	Biological Principles II	4
BIOL	2202	General Botany	4
BIOL	2203	General Zoology	4

- **Electives** 8 sem. hrs.
Students may choose from any biology course of level 1199 or higher.

BACHELOR OF ARTS IN EDUCATION: TEACHING FIELD IN BIOLOGY

GRADES 9-ADULT 128 sem. hrs.
 Biology Curriculum (see below) 51 sem. hrs.
 Liberal Studies Requirements 33 sem. hrs.
 (see Chp. 10 for LSRs not completed through the major)
 Professional Education Courses 33 sem. hrs.
 Free Electives 14 sem. hrs.

- **Biology Curriculum** 51 sem. hrs.
Required courses (48 hrs.)
 BIOL 1105 Biological Principles I 4
 BIOL 1106 Biological Principles II 4
 BIOL 2202 General Botany 4
 BIOL 2203 General Zoology 4

BIOL	3306	Fundamentals of Ecology	4
BIOL	3380	Genetics	4
CHEM	1105	Chemical Principles I	5
CHEM	1106	Chemical Principles II	4
CHEM	1113	Practical Scientific Stat. with a Spreadsheet ...	1
GEOL	1101	Physical Geology	4
GEOL	1102	Historical Geology	4
MATH	1112	College Algebra (or higher)	3
PHYS	1101	Introduction to Physics	4
PHSC	4431	Methods and Materials in Teaching Science ...	3

• **Professional Education..... 33 sem. hrs.**

EDUC	2200	Intro. to Education	3
EDUC	2201	Instructional Technology	3
EDUC	2202	Human Growth and Development	3
EDUC	2202L	Laboratory - Clinical I	1
EDUC	3331	Reading in Content Areas	3
EDUC	3351	Human Exceptionalities & Cultural Diversity	3
EDUC	3351L	Laboratory - Clinical II	1
EDUC	3352	Educational Psychology	3
EDUC	3352L	Laboratory - Clinical II	1
EDUC	3395	Second. Classroom Org. & Practices	4
EDUC	4495	Secondary Student Teaching/Clinical III	8

CHEMISTRY

The chemistry department's mission is to help students gain a fundamental knowledge of modern chemistry, including the ability to apply computer science, mathematics, biology and physics to the field. The program strives to foster excellent oral and written communication skills. With small class sizes, innovative teaching approaches, and hands-on access to modern, research-quality instrumentation, students can develop the analytical, problem-solving and teamwork skills necessary to successfully pursue science-based careers. A student completing the B.S. degree with a major in chemistry will be competitive for graduate study in chemistry or chemical engineering, laboratory positions in the chemical or pharmaceutical industry or government agencies, or law school.

Programs available for students who wish to specialize in chemistry include:

- 1.) The B.S. in chemistry provides a well-balanced program of courses in the major fields of chemistry, as well as mathematics and physics. A student completing this program will be a competitive candidate for graduate study or positions in industry or government agencies.
- 2.) The B.S. in chemistry with an emphasis in biotechnology provides chemistry majors with an additional grounding in biology and prepares students for professional schools and graduate study in forensic science and pharmaceutical sciences.
- 3.) The B.A. in Education with a teaching field in chemistry equips the graduate to teach chemistry in any secondary school or to pursue graduate studies in Science Education.

See Chapter 6, "Degree Requirements," for further description of Liberal Studies Requirements. Teacher Education students should refer to the School of Education in Chapter 10.

BACHELOR OF SCIENCE

IN CHEMISTRY 128 sem. hrs.

Chemistry Curriculum (see below) 67-69 sem. hrs.

Liberal Studies Requirements 33 sem. hrs.
(see Chp. 6 for LSRs not completed through the major)

Free Electives.....26-28 sem. hrs.

• **Chemistry Curriculum 67 sem. hrs.**

Required courses (67 hrs.)

CHEM	1105	Chemical Principles I	5
CHEM	1106	Chemical Principles II	4
CHEM	1113	Practical Scientific Stat. with a Spreadsheet ...	1
CHEM	2201	Organic Chemistry I	4
CHEM	2202	Organic Chemistry II	4
CHEM	2205	Analytical Chemistry	4
CHEM	2215	Intermediate Instrumental Analysis	4
CHEM	3301	Physical Chemistry I	4
CHEM	3302	Physical Chemistry II	4
CHEM	4405	Advanced Integrated Laboratory	7
CHEM	4450	Advanced Inorganic Chemistry	3
CHEM	4455	Advances in Modern Chemistry	3
BIOL	3360	Biochemistry	4
PHYS	1101/02	Intro to Physics	8
-or-			
PHYS	1105/06	Principles of Physics I and II	10
MATH*	1185	Applied Calculus I	4
-or-			
MATH*	1190	Calculus I	4
MATH	1186	Applied Calculus II	4
-or-			
MATH	3315	Calculus II	4

* Students who do not meet the prerequisites for MATH 1185 or 1190 will be required to take MATH 1112 and/or MATH 1115.

• **Additional requirements for biotechnology emphasis..... 20 sem. hrs.**

BIOL	1105	Biological Principles I	4
BIOL	1106	Biological Principles II	4
BIOL	3380	Genetics	4
BIOL	3390	Molecular Biotechnology	4
MATH	1113	Applied Statistics	4

MINOR IN CHEMISTRY 22 sem. hrs

Required courses (22 hrs.)

CHEM	1105	Chemical Principles I	5
CHEM	1106	Chemical Principles II	4
CHEM	1113	Practical Scientific Stat. with a Spreadsheet ...	1
CHEM	2201	Organic Chemistry I	4
CHEM	2202	Organic Chemistry II	4
CHEM	2205	Analytical Chemistry	4
-or-			
CHEM	2215	Intermediate Instrumental Analysis	4

BACHELOR OF ARTS IN EDUCATION: TEACHING FIELD IN CHEMISTRY

GRADES 9-ADULT	128 sem. hrs.
Chemistry Curriculum (<i>see below</i>)	38 sem. hrs.
Liberal Studies Requirements	33 sem. hrs.
<i>(see Chp. 10 for LSRs not completed through the major)</i>	
Professional Education Courses	33 sem. hrs.
Free Electives	24 sem. hrs.

• Chemistry Curriculum 38 sem. hrs. *Required courses (38 hrs.)*

CHEM 1105	Chemical Principles I	5
CHEM 1106	Chemical Principles II	4
CHEM 1113	Practical Scientific Stat. with a Spreadsheet ...	1
CHEM 2201	Organic Chemistry I	4
CHEM 2205	Analytical Chemistry	4
CHEM 3301	Physical Chemistry I	4
CHEM 4405	Advanced Integrated Laboratory	1-2
MATH* 1185	Applied Calculus I	4
-or-		
MATH* 1190	Calculus I	4
PHYS 1101/02	Intro to Physics	8
-or -		
PHYS 1105/06	Principles of Physics I and II	10
PHSC* 4431	Methods and Materials in Teaching Science...	3

*Students who do not meet the prerequisites for MATH 1185 or 1190 will be required to take MATH 1112 and/or MATH 1115. All courses in the single teaching field must be completed prior to admission to the Initial Performance Practicum.

• Professional Education..... 33 sem. hrs.

EDUC 2200	Intro. to Education	3
EDUC 2201	Instructional Technology	3
EDUC 2202	Human Growth and Development	3
EDUC 2202L	Laboratory - Clinical I	1
EDUC 3331	Reading in the Content Areas	3
EDUC 3351	Human Exceptionalities & Cul. Diversity	3
EDUC 3351L	Laboratory - Clinical II	1
EDUC 3352	Educational Psychology	3
EDUC 3352L	Laboratory - Clinical II	1
EDUC 3395	Second. Classroom Org. & Practices	4
EDUC 4495	Secondary Student Teaching/Clinical III	8

GEOLOGY

Geology is offered as a fulfillment of the Liberal Studies requirement and as an integral part of various science-oriented teaching fields.

Department of Computer Science, Mathematics, and Physics

■ Dr. Dwight Harris, Chair (1991)
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FACULTY

BAKER, RANDALL (1986)
Assistant Professor of Computer Science

DUNLEVY, JAMES O. (1965-69; 1972)
Associate Professor of Mathematics

GOODWIN, SUSAN (1989)
Professor of Mathematics

HANSEN, GALEN J. (1994)
Professor of Physics

HARRIS, MELANIE J. ROWE (1971)
Professor of Mathematics

HAYNES, D. STEPHEN (1970)
Professor of Physics

LARUE, THEODORE K. (1982)
Assistant Professor of Computer Science

MARTIN, ASHLEY M. (1980)
Professor of Physics

RIESEN, JOSEPH (1992)
Professor of Mathematics

TOBIN, DONALD L. JR. (2003)
Assistant Professor of Computer Science

WANG, YI (2003)
Assistant Professor of Mathematics

PHYSICS/PHYSICAL SCIENCE (MINOR ONLY)

The Physics program provides students in science, mathematics, technology, secondary education and various pre-professional programs with an understanding of fundamental concepts and principles that govern the physical universe. Physics students utilize mathematical methods, observation and critical reasoning to describe and analyze relationships between properties of matter and the interactions that cause things to change. The Physics program's goal is to provide an environment for the development and application of analytic and problem-solving skills needed for careers and graduate study. Students may earn a minor in physics that compliments majors in science, math, computer science and technology. A physics single teaching field for grades 9-adult and a General Science teaching field for grades 5-adult are also offered for the B.A. in Education degree, in conjunction with the School of Education.

See Chapter 6, "Degree Requirements," for further description of Liberal Studies Requirements. Teacher Education students should refer to the School of Education in Chapter 10.

MINOR IN PHYSICS/PHYSICALSCIENCE .. 30 sem. hrs.

Required courses (30 hrs.)

PHYS*	1101/02	Intro to Physics.....	8
PHYS	3310	Electricity and Electronics	4
PHYS	3325	Advanced Physics I	4
PHYS	3335	Advanced Physics II.....	4
PHYS	3340	Special Problems.....	2
MATH	1185	Applied Calculus I	4
-or-			
MATH	1190	Calculus I	4
-or-			
TECH	2290	Engineering Analysis I.....	4
TECH	1186	Applied Calculus II	4
-or-			
TECH	3315	Calculus II.....	4

*PHYS 1105/06 is strongly recommended in place of 1101/02, but not required.

BACHELOR OF ARTS IN EDUCATION: TEACHING FIELD IN PHYSICS

GRADES 9-ADULT 128 sem. hrs.

Physics Curriculum (see below).....	43 sem. hrs.
Liberal Studies Requirements (see Chp. 10)	33 sem. hrs.
Professional Education Courses	33 sem. hrs.
Free Electives	19 sem. hrs.

• Physics Curriculum..... 43 sem. hrs.

Required courses (43 hrs.)

CHEM*	1101/02	General Chemistry I, II.....	8
PHYS*	1105/06	Principles of Physics I, II.....	10
PHYS*	2201	Demonstration in Physics	2
PHYS*	3310	Electricity and Electronics	4
PHYS*	3325, 3335	Advanced Physics I, II	8
MATH*	1185	Applied Calculus I	4
-or-			
MATH	1190	Calculus I.....	4
-or -			
TECH	2290	Engineering Analysis I.....	4
MATH*	1186	Applied Calculus II	4
-or-			
MATH	3315	Calculus II	4
-or-			
TECH	3300	Engineering Analysis II	4
PHSC	*4431	Methods and Materials in Teaching Science...	3

*Courses marked with an asterisk must be completed prior to admission to the Initial Performance Practicum. Chemistry 1105/06 is strongly recommended in place of 1101/02, but not required.

• Professional Education..... 33 sem. hrs.

EDUC	2200	Intro. to Education	3
EDUC	2201	Instructional Technology	3
EDUC	2202	Human Growth and Development.....	3
EDUC	2202L	Laboratory - Clinical I	1
EDUC	3331	Reading in the Content Areas	3
EDUC	3351	Human Exceptionalities & Cultural Diversity	3
EDUC	3351L	Laboratory - Clinical II	1
EDUC	3352	Educational Psychology	3

EDUC	3352L	Laboratory - Clinical II.....	1
EDUC	3395	Second. Classroom Org. & Practices.....	4
EDUC	4495	Secondary Student Teaching/Clinical III.....	8

BACHELOR OF ARTS IN EDUCATION: TEACHING FIELD IN GENERAL SCIENCE

GRADES 5-ADULT 128 sem. hrs.

Physical Science Curriculum (see below)	38 sem. hrs.
Liberal Studies Requirements (see Chp. 10)	36 sem. hrs.
Professional Education Courses	33 sem. hrs.
Free Electives.....	21 sem. hrs.

• Physical Science Curriculum 38 sem. hrs.

Required Courses (38 hrs.)

BIOL	1105	Biological Principles I	4
BIOL	1106	Biological Principles II	4
CHEM*	1105	Chemical Principles I	5
CHEM	1106	Chemical Principles II.....	4
GEOL*	1101	Physical Geology.....	4
GEOL	1102	Historical Geology.....	4
PHYS*	1101/02	Intro to Physics I, II	8
PHYS*	2202	Astronomy	3
PHSC*	4431	Methods and Materials in Teaching Science	3

*Courses marked with an asterisk must be completed prior to admission to the Initial Performance Practicum.

• Professional Education..... 33 sem. hrs.

EDUC	2200	Intro. to Education	3
EDUC	2201	Instructional Technology	3
EDUC	2202	Human Growth and Development	3
EDUC	2202L	Laboratory - Clinical I	1
EDUC	3331	Reading in the Content Areas	3
EDUC	3351	Human Exceptionalities Cultural Diversity	3
EDUC	3351L	Laboratory - Clinical II	1
EDUC	3352	Educational Psychology	3
EDUC	3352L	Laboratory - Clinical II	1
EDUC	3395	Second. Classroom Org. & Practices.....	4
EDUC	4495	Secondary Student Teaching/Clinical III.....	8

MATHEMATICS

The mathematics program equips students with analytical and problem-solving skills that are applicable to a wide variety of careers and graduate study. The coursework develops students' abilities to apply mathematical methods and ideas to problems in mathematics, sciences, computer science, actuarial science, statistics and virtually any other area of inquiry. Students learn to communicate ideas effectively and to digest new information and concepts independently. Graduates of the mathematics program at Fairmont State work for such diverse employers as the US Census Bureau, the US Navy, banking, manufacturing, chemical, computer and statistics firms.

Students who major in Mathematics have the option of selecting one of the following degree programs:

- 1) the Bachelor of Science degree in Mathematics, as preparation for work in computing or for graduate study in mathematics or computer science
- 2) the Bachelor of Arts in Education degree with a 5-Adult comprehensive teaching field, as preparation for teaching mathematics. Students may elect to add the Mathematics 5-9

teaching specialization to an Elementary Education degree or as a second teaching field.

NOTE: MATH 1190, 3315, 3316, and 2212 are required for both degrees and should be completed early in the program.

It is expected that incoming students in this field will present a minimum of four units of high school mathematics, including two units of algebra, one unit of integrated geometry (or equivalent), and one advanced unit such as calculus. Students without this background may be required to complete appropriate lower-level courses in addition to the stated requirements. Students should consult with their advisor concerning credit for prerequisites and special examinations for course credit. All students majoring in mathematics must complete a minor. Students who are receiving a teaching certificate generally use Education as their minor.

See Chapter 6, "Degree Requirements," for further description of Liberal Studies Requirements. Teacher Education students should refer to the School of Education in Chapter 10.

BACHELOR OF SCIENCE

IN MATHEMATICS	128 sem. hrs.
Mathematics Curriculum (see below)	47 sem. hrs.
Liberal Studies Requirements (see Chp. 6)	41 sem. hrs.
Free Electives	38 sem. hrs.

• Mathematics Curriculum 47 sem. hrs.

Required Courses (27 hrs.)

MATH 1190	Calculus I	4
MATH 2200	Mathematical Logic	3
MATH 2212	Sets, Relations and Functions	3
MATH 3315	Calculus II	4
MATH 3316	Calculus III	4
MATH 3335	Probability and Statistics	3
MATH 3361	Abstract Algebra	3
MATH 3362	Linear Algebra	3
COMP 1102	Principles of Programming I	3

• Restricted Math Electives 11-16 sem. hrs

Choose at least one of the following (the other may be used as an unrestricted math elective).

MATH 3375	Topology	3
MATH 3391	Real Analysis	3

Choose one sequence.

Choice 1

BIOL 1105/06	Biology Principles I, II	8
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Choice 2

CHEM 1101/02	General Chemistry I, II	8
-or-		
CHEM 1105/06	Chemical Principles I, II	9

Choice 3

GEOL 1101	Physical Geology	4
AND one of the following:		
GEOL 1102	Historical Geology	4
-or-		
GEOL 1103	Intro to Environmental Geology	4

Choice 4

PHYS 1101/02	Intro to Physics I, II	8
- or -		
PHYS 1105/06	Principles of Physics I, II	10

• Unrestricted Math Electives 3-6 sem. hrs

(depending on choices above):

MATH 2206	Introduction of Theory of Numbers	3
MATH 2214	History of Mathematics	3
MATH 2216	Discrete Mathematics	3
MATH 3336	Probability & Statistics	3
MATH 3342	Numerical Analysis	3
MATH 3372	Modern Geometry	3
MATH 4401	Differential Equations	3
MATH 4411	Advanced Calculus	3
MATH 4413	Introduction to Complex Analysis	3
COMP 1108	Principles of Programming II	3

MINOR IN MATHEMATICS 24 sem. hrs.

Required Courses (12 hrs.)

MATH 1190	Calculus I	4
MATH 3315	Calculus II	4
MATH 3316	Calculus III	4

• Electives 12 sem. hrs

Must be selected with advisor's approval. Choose from the following list, with at least one course from each group and two at the 3300 level or above.

Group I

MATH 2216	Discrete Math	3
MATH 3335	Probability and Statistics I	3
MATH 3336	Probability & Statistics	3
MATH 3342	Numerical Analysis	3
MATH 3362	Linear Algebra	3
MATH 4401	Differential Equations	3

Group II

MATH 2200	Mathematical Logic	3
MATH 2206	Introduction to Theory of Numbers	3
MATH 2212	Sets, Relations and Functions	3
MATH 2214	History of Mathematics	3
MATH 3361	Abstract Algebra	3
MATH 3372	Modern Geometry	3
MATH 3375	Topology	3
MATH 3391	Real Analysis	3
MATH 4411	Advanced Calculus	3
MATH 4413	Introduction to Complex Analysis	3

BACHELOR OF ARTS IN EDUCATION:

TEACHING FIELD IN MATHEMATICS

GRADES 5-ADULT 128 sem. hrs.

Mathematics Curriculum (see below)	36 sem. hrs.
Liberal Studies Requirements (see Chp. 10)	44 sem. hrs.
Professional Education Courses	33 sem. hrs.
Free Electives	15 sem. hrs.

• Mathematics Curriculum 36 sem. hrs.

Required Courses (36 hrs.)

MATH 1190	Calculus I	4
MATH 2212	Sets, Relations and Functions	3
MATH 2216	Introduction to Discrete Mathematics	3
MATH 3315	Calculus II	4
MATH 3316	Calculus III	4
MATH 3335	Probability and Statistics	3
MATH 3361	Abstract Algebra	3
MATH 3362	Linear Algebra	3

MATH	3372	Modern Geometry	3
MATH*	4431	Methods & Materials of Teaching Math.....	3
COMP	1102	Prin. of Programming I.....	3

**Courses marked with an asterisk must be completed prior to admission to the Initial Performance Practicum.*

• Professional Education..... 33 sem. hrs.			
EDUC	2200	Intro. to Education	3
EDUC	2201	Instructional Technology	3
EDUC	2202	Human Growth and Development	3
EDUC	2202L	Laboratory - Clinical I	1
EDUC	3331	Reading in the Content Area	3
EDUC	3351	Human Exceptionalities & Cultural Diversity	3
EDUC	3351L	Laboratory - Clinical II	1
EDUC	3352	Educational Psychology	3
EDUC	3352L	Laboratory - Clinical II	1
EDUC	3395	Second. Classroom Org. & Practices.....	4
EDUC	4495	Secondary Student Teaching/Clinical III.....	8

MATHEMATICS TEACHING SPECIALIZATION, GRADES 5-9 26 sem. hrs.

This specialization prepares teacher candidates for general mathematics through Algebra I. *See Chapter 10, "School of Education," for further information about this specialization.*

Required courses (26 hrs.)

MATH	1110	Mathematics for Elem. Teachers I.....	3
MATH	1113	Applied Statistics	4
MATH	1115	Trig. and Elementary Functions	3
MATH	1185	Applied Calculus I	4
MATH	2210	Mathematics for Elem. Teachers II.....	3
MATH	2216	Intro. to Discrete Mathematics	3
MATH	3323	Mathematics for Elem. Teachers III	3
MATH*	4431	Methods & Materials in Teaching Math.....	3

COMPUTER SCIENCE

Computer Science is the study and implementation of algorithmic processes that describe and transform information. The Computer Science Program at FSU offers two majors: one in Computer Science and a new one in Computer Security. Because of the diversity of application areas, and the goal of computing benefiting mankind, computer scientists should be broadly educated and will receive a well-balanced curriculum in mathematics and the humanities.

Computer Science is a broad discipline that encompasses many areas of specialization, with an ever-growing array of opportunities. Graduates in this area can find employment in a wide spectrum of commercial companies or government agencies, as well as be competitive for graduate school and advanced study. Personal niches can be found in software or system development, system administration, computer security, or any one of a number of new and developing computing technologies. Students may complete the B.S. in Computer Science in preparation for immediate employment in a software development position or in preparation for graduate studies. Because of rapid changes in this field, requirements are designed to provide students with a fundamental understanding of those concepts of computer science which will enable them to adapt to any cur-

rent computing environment.

NOTES: Students should attempt to complete COMP 1102 and 1108, and MATH 1170 and 2216 by the end of their freshman year. Students who already have credit for MATH 1115 and 1190 may use MATH 2212 as an alternative to MATH 1170.

See Chapter 6, "Degree Requirements," for further description of Liberal Studies Requirements.

BACHELOR OF SCIENCE IN COMPUTER SCIENCE	128 sem. hrs.
Computer Science Curriculum (<i>see below</i>)	50 sem. hrs.
Liberal Studies Requirements (<i>see Chp. 6</i>)	41 sem. hrs.
Free Electives.....	37 sem. hrs.

• Computer Science Curriculum.....			50 sem. hrs.
<i>Required courses (50 hrs.)</i>			
COMP	1102	Principles of Programming I	3
COMP	1108	Principles of Programming II.....	3
COMP	2200	Principles of Programming III	3
COMP	2201	Machine Organization	3
COMP	2215	Software Design and Development with Ada	3
COMP	2230	Java and Internet Applications.....	3
COMP	2270	Data Structures, Algorithms and OOP I.....	3
COMP	2240	Operating Systems	3
COMP	3300	Computer Graphics	3
COMP	3310	Artificial Intelligence.....	3
COMP	4410	Database Management	
COMP	4420	Selected Advanced Topics	
-or-			
COMP	4421	Computer Science Special Topics	3
MATH	1170	Introduction to Analysis.....	4
MATH	1190	Calculus I.....	4
MATH	2200	Mathematical Logic	3
MATH	2216	Discrete Mathematics	3

BACHELOR OF SCIENCE IN COMPUTER SECURITY	128 sem. hrs.
Computer Security Curriculum (<i>see below</i>)	62 sem. hrs.
Liberal Studies Requirements (<i>see Chp. 6</i>)	41 sem. hrs.
Free Electives.....	25 sem. hrs.

• Computer Security Curriculum 62 sem. hrs.		
<i>Required Courses (62 hrs.)</i>		
COMP	1102	Principles of Programming I 3
COMP	1108	Principles of Programming II..... 3
COMP	2200	Principles of Programming III 3
COMP	2201	Machine Organization 3
COMP	2230	Java and Internet Applications..... 3
COMP	2240	Operating Systems 3
COMP	2270	Data Structures, Algorithms and OOP I..... 3
COMP	3320	Fundamentals of Computer Security 3
COMP	3380	Cryptography in Computer Security 4
COMP	3390	Network Security Technology 4
COMP	3395	Legal & Ethical Issues in Computer Security. 3
COMP	4410	Database Management 3
COMP	4415	Vulnerability Assessment 4
COMP	4495	Computer Security Internship 3
INFO	2250	Networking Fundamentals 3
MATH	1170	Introduction to Analysis 4
MATH	1190	Calculus I 4
MATH	2200	Mathematical Logic 3
MATH	2216	Discrete Mathematics 3

MINOR IN COMPUTER SCIENCE 19 sem. hrs.

Students may not minor in Computer Science when majoring in Information Systems.

Required Courses (13 hrs.)

COMP 1102	Principles of Programming I.....	3
COMP 1108	Principles of Programming II.....	3
COMP 2200	Principles of Programming III	3
MATH 1170	Math Analysis	4

Electives (6 hrs.)

COMP 2201	Machine Organization	3
COMP 2215	Software Design and Development with Ada	3
COMP 2230	Java and Internet Applications.....	3
COMP 2270	Data Structures, Algorithms and OOP I.....	3

COMPUTER SCIENCE TEACHING**SPECIALIZATION: PRE K-ADULT 24 sem. hrs.****Required Courses (24 hrs.)**

EDUC 2225	Computer Education	3
EDUC 2226	Technology in Instruction.....	3
EDUC 2201	Instructional Technology	3
EDUC 3307	Instructional Technology II.....	3
GRAP 1150	Comp. Applications to Graphics.....	3
GRAP 2200	Intro to Desktop Publishing.....	3
GRAP 4400	Computer Animation	3
INFO 2250	Networks & Telecommunications	3

Department of Technology

■ **Jim Goodwin, Chair**

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jgoodwin@fairmontstate.edu

FACULTY

ABBOTT, MELISSA W. (2003)

Assistant Professor of Safety/Environmental Engineering Technology

ALLEN, LARRY C. (2000)

Assistant Professor of Electronic Engineering Technology

BOLYARD, GARY (1984)

Assistant Professor of Technology

FREEMAN, PHILIP M. (2003)

Assistant Professor of Architectural Engineering Technology

MILLER, AUBREY L. (2004)

Assistant Professor of Mechanical Engineering Technology

MORPHEW, KIRK L. (2000)

Associate Professor of Architectural Engineering Technology

MURPHY, KIMBERLY (1991)

Associate Professor of Safety/Environmental Engineering Technology

NICHOLAS, THOMAS II. (2001)

Assistant Professor of Civil Engineering Technology

RICHARDSON, TIA M. (1998)

Associate Professor of Architecture/Civil Engineering Technology

STILGENBAUER, TED M. (2000)

Assistant Professor of Civil Engineering Technology

THOMAS, MERLE, JR. (2001)

Assistant Professor of Mechanical Engineering Technology

TURCHIN, RONALD G. (2001)

Assistant Professor of Electronics Engineering Technology

VASSIL, JAMES E. (2002)

Visiting Assistant Professor of Civil Engineering Technology

ZICKEFOOSE, GARY, P.E. (1984)

Associate Professor of Civil Engineering Technology

AVIATION TECHNOLOGY

The Bachelor of Science in Aviation Technology is offered to students whose career objective is the management and operation of airside activities in the aviation industry. The program provides the graduate with technical competence in an aviation-related career as well as the skills needed to assume supervisory responsibilities. There are four areas of specialization in this de-

gree: Airway Science Technology, Aviation Administration with a Flight option, Aviation Maintenance Management, and Avionics Maintenance Management. All Aviation Technology students are required to take the Aviation Common Core requirements listed below.

See Chapter 6, "Degree Requirements," for further description of Liberal Studies Requirements.

• Aviation Common Core .....27-30 sem. hrs.		
AVMA 3301	Aviation History	3
AVMA 3302	Aviation Law	3
AVMA 3303	Airline Operations	3
AVMA 3304	Aviation Maintenance Management.....	3
AVMA 3305	General Aviation Operations.....	3
AVMA 3307	Human Factors in Aviation Safety.....	3
AVMA 4402	Fiscal Aspects of Aviation Management	3
MANF* 2250	Total Quality and SPC	3
MGMT 2209	Principles of Management	3
MGMT 3390	Human Behavior in Organizations	3

*Not required for the Aviation Maintenance Management Option

BACHELOR OF SCIENCE IN AIRWAY SCIENCE TECHNOLOGY		133 sem. hrs.
Aviation Common Core		30
Airway Science Technology Curriculum (see below).....		84
Liberal Studies Requirements		19
(see Chp. 6 for LSRs not completed through the major)		

This option prepares students to pursue a career in electronics technology within the Federal Aviation Administration. The electronic technologist designs, installs, and maintains the specialized electronic equipment used in the national airspace system. This program was designed to meet the requirements of the Federal Aviation Administration for Airway Science programs.

• Airway Science Technology Curriculum..... 84 sem. hrs.		
<i>Required Courses (84 hrs.)</i>		
AVMA 1100	Aircraft Flight Theory.....	3
AVIO 2202	Instrument Landing Systems.....	3
AVIO 2204	Aircraft Navigation System	3
AVIO 2206	Aircraft Communication Systems	3
CHEM 1101	General Chemistry I	4
COMP 1101	Applied Technical Programming	3
DRAF 1100	Engineering Graphics.....	3
ECON 2200	Economics	3
ELEC 1100	Circuit Analysis I.....	3
ELEC 2210	Circuit Analysis II.....	3
ELEC 2215	Basic Transistors	3
ELEC 2220	Linear Electronics	3
ELEC 2230	Digital Electronics	3
ELEC 2250	AC-DC Machinery and Controls.....	3
ELEC 2270	Microcomputers.....	3
ENGL 1109	Technical Report Writing.....	3
-or-		
BUSN 2251	Business Communications	3
MATH 1101	Applied Technical Mathematics I.....	3
MATH 1102	Applied Technical Mathematics II	3
PHYS 1101	Introduction to Physics I	4
PHYS 1102	Introduction to Physics II	4
POLI 1103	American Government.....	3
PSYC 1101	Introduction to Psychology	3

PSYC 2240	Statistics.....	4
SOCY 1110	Introduction to Sociology.....	3
TECH 2290	Engineering Analysis I.....	4
TECH 3300	Engineering Analysis II	4

BACHELOR OF SCIENCE IN AVIATION ADMINISTRATION		128 sem. hrs.
Aviation Common Core		30 sem. hrs.
Aviation Admin. Curriculum (see below)		76 sem. hrs.
Liberal Studies Requirements		22 sem. hrs.
(see Chp. 6 for LSRs not completed through the major)		

This option prepares the student for employment in administrative areas with companies in and related to the aviation industry. Typical positions include airport management, flight dispatching, station management, flight scheduling, crew coordination, air cargo administration, aviation marketing and air traffic control. A Flight Option is available within this degree; see details below.

• Aviation Administration Curriculum..... sem. hrs.		
<i>Required Courses (58 hrs.)</i>		
ACCT 2201	Principles of Accounting	3
AVMA 1100	Aircraft Flight Theory.....	3
AVMA 1102	Introduction to Air Traffic Control.....	3
AVMA 2206	Aviation Security.....	3
AVMA 2210	Aviation Meteorology	3
AVMA 2211	Airport Management.....	3
AVMA 2213	Airport Planning and Development.....	3
AVMA 2214	Advanced Air Traffic Control.....	3
BUSN 3310	Statistics.....	3
COMP 1101	Applied Technical Programming	3
ECON 2200	Economics	3
ENGL 1109	Technical Report Writing.....	3
MKTG 2204	Principles of Marketing	3
MGMT 4405	Operations Management	3
MATH 1101	Applied Technical Mathematics I.....	3
MATH 1102	Applied Technical Mathematics II	3
PSYC 1101	Introduction to Psychology.....	3
PHYS 1101	Introduction to Physics I	4
PHYS 1102	Introduction to Physics II	4
SFTY 1100	Safety & Environmental Comp. of Industry ...	3
SFTY 1150	Safety Mgt. & Concepts in Accident Prev.....	3
SOCY 1110	Introductory Sociology	3
SPCH 1100	Intro to Speech Communication	3

• Aviation Electives		6 sem. hrs.
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Flight Option

Students will substitute the following courses in lieu of AVMA 1100, 2210, and 3399 for a Flight Option in the Aviation Administration degree. Flight fees for students to obtain their private, commercial, or instrument license must be paid in the amount of \$5,700.00 during the semester in which you enroll in the class.

AVMA 1101	Private Pilot Technology	3
AVMA 2201	Instrument Pilot Technology.....	3
AVMA 3300	Commercial Pilot Technology	3

MINOR IN AVIATION

ADMINISTRATION 21 sem. hrs.

Required Courses (15 hrs.)

AVMA	1100	Aircraft Flight Theory	3
AVMA	1102	Introduction to Air Traffic Control	3
AVMA	2211	Airport Management	3
AVMA	3303	Airline Operations	3
AVMA	3305	General Aviation Operations	3

Electives (6 hrs.)

AVMA	2213	Airport Planning and Development	3
AVMA	3301	Aviation History	3
AVMA	3302	Aviation Law	3
AVMA	3307	Aviation Safety	3
AVMA	4401	Trends & Current Issues in Aviation	3

MINOR IN AVIATION ADMINISTRATION

(FLIGHT OPTION) 18 sem. hrs.

Required Courses (12 hrs.)

AVMA	1101	Private Pilot Technology	3
AVMA	3301	Aviation History	3
AVMA	3302	Aviation Law	3
AVMA	3305	General Aviation Operations	3

Electives (6 hrs.)

AVMA	2211	Airport Management	3
AVMA	2213	Airport Planning and Development	3
AVMA	2214	Advanced Air Traffic Control	3
AVMA	3303	Airline Operations	3
AVMA	3307	Aviation Safety	3

BACHELOR OF SCIENCE IN AVIATION

MAINTENANCE MANAGEMENT 137 sem. hrs.

Aviation Common Core 27 sem. hrs.

Aviation Maintenance Management Curriculum

(see below) 88 sem. hrs.

Liberal Studies Requirements 22 sem. hrs.

(see Chp. 6 for LSRs not completed through the major)

This option prepares the student for entry-level management positions in the maintenance field with airlines, aviation manufacturers, repair stations, and fixed base operators. All students in this field must obtain their FAA Airframe and Power-plant License. This program is approved by the Federal Aviation Administration and meets the requirements of Federal Aviation Regulation 147.

• Aviation Maintenance Management

Curriculum 88 sem. hrs.

Required Courses (85 hrs.)

AVMT	1101	Intro. to Aviation Maintenance	3
AVMT	1102	Aircraft Basic Science	3
AVMT	1103	Aviation Shop Practices	3
AVMT	1105	Aircraft Utility Systems	3
AVMT	1106	Aircraft Information Systems	3
AVMT	1109	Aircraft Electronics	3
AVMT	2201	Reciprocating Engines and Systems	3
AVMT	2202	Aircraft Sheet Metal Structures	3
AVMT	2203	Reciprocating Engine Maintenance and Return to Service	5
AVMT	2204	Propeller Systems	3

AVMT	2205	Turbine Engines and Systems	3
AVMT	2206	Aircraft Fluid Power Landing Gear Systems ..	3
AVMT	2207	Turbine Engine Maintenance and Return to Service	3
AVMT	2208	Cabin Atmosphere Control Systems	3
AVMT	2209	Aircraft Flight Control Systems	3
AVMT	2210	Non Metallic Structures	3
AVMA	4404	Advanced Composite Structures	
-or -			
AVMA	4405	Advanced Non-Destructive Testing	3
AVIO	1110	Aircraft Power Generation and Distribution Systems	3
COMP	1101	Applied Technical Programming	3
ECON	2200	Economics	3
ENGL	1109	Technical Report Writing	3
MATH	1101	Applied Technical Mathematics I	3
MATH	1102	Applied Technical Mathematics II	3
PHYS	1101	Introduction to Physics I	4
PHYS	1102	Introduction to Physics II	4
PSYC	1101	Introduction to Psychology	3
SOCY	1110	Introductory Sociology	3

MINOR IN AVIONICS 20 sem. hrs.

This minor is restricted to Electronics Engineering Technology Majors.

Required Courses (20 hrs.)

AVIO	1102	Principles of Radio Transmitters & Receivers ..	3
AVIO	2200	Electronic Flight Management Systems	3
AVIO	2202	Instrument Landing Systems	3
AVIO	2204	Aircraft Navigation Systems	3
AVIO	2206	Aircraft Communication Systems	3
AVIO	2209	Aircraft Pulse and Radar Systems	3
AVIO	2210	FCC License Preparation	2

ENGINEERING TECHNOLOGY

Students working toward the Bachelor of Science in Engineering Technology will be primarily concerned with the practical applications of established scientific and engineering knowledge and methods. A strong background in mathematics and science is recommended for entry into this program. The curriculum, including general education courses in business, the humanities, science and math, emphasizes the relationships of the various disciplines to technological processes in industry.

Applicants for the B.S. degree in Architectural Engineering Technology, Civil Engineering Technology, Electronics Engineering Technology, Mechanical Engineering Technology, and Safety/Environmental Engineering Technology must complete the corresponding A.S. degree, or have graduated from high school with at least a 2.75 grade point average and achieved a minimum ACT composite score of 19 (SAT 910).

See Chapter 6, "Degree Requirements," for further description of Liberal Studies Requirements.

Architectural Engineering Technology

The Architectural Engineering Technology program at Fairmont State University is a pre-professional program that focuses on history, design theory, building systems and graphic/oral

communication skills required to present design ideas to others. The program is designed as a highly flexible 2 + 2 curriculum consisting of a two-year A.S. that may serve as the first half of a four-year B.S. degree. Once the associate degree is earned, the graduate may choose to enter the workforce or to continue at the baccalaureate level.

ASSOCIATE OF SCIENCE IN ARCHITECTURAL ENGINEERING TECHNOLOGY

.....65-66 sem. hrs.

The associate degree in Architectural Engineering Technology provides students with a basic understanding of the history of architectural design and the entry-level drafting and communication skills required in order to work in a design/drafting office. Graduates with the associate of science degree are qualified for entry-level technical positions in architectural or engineering offices, firms related to architecture, or other businesses requiring in-house planning and drafting.

Required Courses (53 hrs.)

ARCH	1130	Architectural History I.....	3
ARCH	1160	Architectural History II.....	3
ARCH	2210	Design I.....	4
ARCH	2225	Architectural CADD.....	3
ARCH	2250	Design II.....	4
ART	1111	Art Fundamentals.....	3
CIVL	2210	Light Construction.....	4
COMP	1101	Applied Technical Programming.....	3
ENGL	1104	Written English I.....	3
ENGL	1108	Advanced Written English II.....	3
MATH	1101	Applied Technical Math I.....	3
MATH	1102	Applied Technical Math II.....	3
MECH	1100	Statics.....	3
PHYS	1101	Introduction to Physics I.....	4
PHYS	1102	Introduction to Physics II.....	4
SPCH	1100	Speech Communication.....	3

Electives (11 hrs.)

ARCH	2200	Graphics.....	3
-or-			
DRFT	2215	Architectural Drafting.....	4
		Artistic/Creative Experience.....	3
		Cultural/Civil Elective.....	3
		Architectural Elective.....	3

BACHELOR OF SCIENCE IN ENGINEERING TECHNOLOGY: ARCHITECTURAL

ENGINEERING TECHNOLOGY129-130 sem. hrs.

Architectural Engineering Technology Curriculum

(see below) 93 sem. hrs.

Liberal Studies Requirements (see Chp. 6) 44 sem. hrs.

The B.S.E.T in Architectural Engineering Technology provides a sound basis for the pursuit of general knowledge and the first phase of a professional education for the general practice of architecture. The four-year program encompasses a foundation core of design, introductory studies in architectural history and theory, and building technology. Advanced design studios address methodology, and technological and theoretical synthesis through applied studies of a wide range of design inquiries and projects. Successful completion of the degree will prepare students to enter the profession at a more advanced level or pursue a graduate degree from an NAAB-accredited school of architec-

ture. Graduates with the baccalaureate degree are qualified for entry-level positions such as designer or engineering technician. They may be employed in architectural offices, engineering offices, corporations or businesses which produce their own in house construction-related fields.

• Architectural Engineering Technology

Curriculum 93 sem. hrs.

Required Courses (84 hrs.)

ARCH	1130	Architectural History I.....	3
ARCH	1160	Architectural History II.....	3
ARCH	2210	Design I.....	4
ARCH	2225	Architectural CADD.....	3
ARCH	2250	Design II.....	4
ARCH	3300	Design III.....	4
ARCH	3310	Construction Details and Materials.....	4
ARCH	3320	Site Planning.....	3
ARCH	3350	Design IV.....	4
ARCH	4420	Urban Design and Preservation.....	3
ARCH	4430	Mechanical and Electrical Systems.....	3
ARCH	4450	Design V.....	4
ARCH	4460	Design VI.....	4
ART	1111	Art Fundamentals.....	3
CIVL	2210	Light Construction.....	4
CIVL	2220	Construction Materials and Methods.....	4
CIVL	2290	Introduction to Structures.....	3
COMP	1101	Applied Technical Programming.....	3
MATH	1101	Applied Technical Mathematics I.....	3
MATH	1102	Applied Technical Mathematics II.....	3
MECH	1100	Statics.....	3
MECH	2200	Strength of Materials.....	4
PHYS	1101	Introduction to Physics I.....	4
PHYS	1102	Introduction to Physics II.....	4

• Drawing Elective 3 sem. hrs.

Choose one

ARCH	2200	Graphics.....	3
DRFT	2215	Architectural Drafting.....	4

• Architecture Elective 3 sem. hrs.

Choose one

CHEM	1101	General Chemistry I.....	3
CIVL	2200	Introduction to Surveying.....	3
CIVL	2230	Construction Estimating.....	3
CIVL	2240	Construction, Land & Route Surveying.....	3
CIVL	4420	Construction Planning & Administration.....	3
GEOL	1101	Physical Geology.....	3
MANF	2250	Total Quality & SPC.....	3
MECH	2210	Thermodynamics I.....	3
SFTY	2210	Disaster Preparedness.....	3
TECH	2290	Engineering Analysis I.....	4
TECH	3300	Engineering Analysis II.....	4

• General Elective 3 sem. hrs.

Choose one

ENGL	1109	Technical Report Writing.....	3
ENGL	3332	Narrative & Descriptive Writing.....	3
ENGL	3333	Writing Non-Fiction.....	3
MATH	1113	Applied Statistics.....	4
MUSI	2205	Functional Piano IV.....	1
PHIL	2200	Introduction to Philosophy.....	3
PHSC	1150	Scientific Problem Solving.....	3
POLI	1101	Introduction to Global Affairs.....	3
SOCY	1111	Introduction to Anthropology.....	3
TECH	1101	Introduction to Technology.....	3
THEA	1110	Introduction to Theatre.....	3

Civil Engineering Technology

The Civil Engineering Technology program at Fairmont State University prepares graduates to participate in the planning, analysis, design, construction, operation and maintenance of roadways, airports, tunnels, bridges, water supply and distribution systems, waste collection and treatment systems. The curriculum is a highly flexible 2 + 2 design; once the two-year associate's degree is earned, the graduate may choose to enter the workforce or continue their education with two more years at the baccalaureate level.

See Chapter 6, "Degree Requirements," for further description of Liberal Studies Requirements (see Chp. 6).

ASSOCIATE OF SCIENCE IN CIVIL ENGINEERING TECHNOLOGY

(TAC of ABET Accredited) 67 sem. hrs.

The Associate of Science degree in Civil Engineering Technology provides technical courses in the fundamentals of engineering, surveying, construction materials and methods, computer graphics, civil engineering graphics, construction estimating, structures, and environmental engineering technology. Most of the technical courses provide a combination of lecture and laboratory experiences. In addition, technical courses are underpinned with instruction in mathematics and science, written and oral communication skills, and economics, which are utilized subsequently in the technical courses. Graduates with the Associate of Science degree are qualified for entry-level technical positions in construction, surveying, engineering and architectural firms; local, state and national government, environmental and public health agencies; state departments of transportation and highways; and private business industry.

Required Courses (65 hrs.)

CHEM	1101	General Chemistry	4
CIVL	2200	Introduction to Surveying	3
CIVL	2210	Light Construction	4
CIVL	2220	Construction Materials and Methods	4
CIVL	2230	Construction Estimating	3
CIVL	2240	Construction, Land & Route Surveying	3
CIVL	2275	Civil Engineering Graphics	3
CIVL	2280	Environmental Engineering Tech I	3
CIVL	2290	Introduction to Structures	3
DRAF	2200	Fundamentals of CAD	3
ECON	2200	Economics	3
ENGL	1104	Written English I	3
ENGL	1108	Written English II	3
ENGL	1109	Technical Report Writing	3
INFO	1100	Computer Concepts & Applications	3
MATH	1101	Applied Technical Math I	3
MATH	1102	Applied Technical Math II	3
MECH	1100	Statics	3
MECH	2200	Strength of Materials	4
SPCH	1100	Intro. to Speech Comm.	3
TECH	2290	Engineering Analysis I	4

Elective (2 hrs.)

Choose a course with advisor's approval.

BACHELOR OF SCIENCE IN ENGINEERING TECHNOLOGY: CIVIL ENGINEERING

TECHNOLOGY (TAC of ABET Accredited) 128 sem. hrs.

Civil Engineering Technology Curriculum

(see below) 98 sem. hrs.

Liberal Studies Requirements (see Chp. 6) 44 sem. hrs.

The Bachelor of Science degree provides students with a greater emphasis on analysis and design with specialized classes in hydraulics and hydrology, soil mechanics and foundation design, structural analysis and design, water and waste-water systems and construction management, coupled with additional courses in science and mathematics, communication, social science and humanities. This degree is also offered with an environmental emphasis; see details below.

Graduates with the Bachelor of Science degree are qualified for an entry-level position as a Civil Engineering Technologist in construction, surveying, engineering, and architectural firms; local, state, and national government, environmental and public health agencies; state departments of transportation and highways; and private business industry. Baccalaureate graduates are eligible to sit for the Fundamentals of Engineering Exam (FE) in West Virginia, the first step to becoming a professional engineer.

• Civil Engineering Technology Curriculum 98 sem. hrs.

Required Courses (96 hrs.)

CHEM	1101	General Chemistry I	4
PHYS	1101	Introduction to Physics I	4
CHEM	1102	General Chemistry II	4
-or-			
PHYS	1102	Introduction to Physics II	4
CIVL	2200	Introduction to Surveying	3
CIVL	2210	Light Construction	4
CIVL	2220	Construction Materials and Methods	4
CIVL	2230	Construction Estimating	3
CIVL	2240	Construction, Land & Route Surveying	3
CIVL	2275	Civil Engineering Graphics	3
CIVL	2280	Environmental Engineering Tech I	3
CIVL	2290	Introduction to Structures	3
CIVL	3305	Hydraulics and Hydrology	3
CIVL	3340	Soil Mech. & Environmental Geotechnics	4
CIVL*	4400	Highway Design and Transportation	3
CIVL	4410	Structural Analysis	3
CIVL	4420	Construction Planning & Admin	3
CIVL	4440	Structural Design	3
CIVL	4460	Environmental Engineering Tech II	3
CIVL	4470	Advanced Soil Mechanics and Foundation Design	3
DRAF	2200	Fundamentals of CAD	3
ENGL	1109	Technical Report Writing	3
ECON	2200	Economics	3
MATH	1101	Applied Technical Mathematics I	3
MATH	1102	Applied Technical Mathematics II	3
MECH	1100	Statics	3
MECH	2200	Strength of Materials	4
MECH	3320	Dynamics	3
TECH	2290	Engineering Analysis I	4
TECH	3300	Engineering Analysis II	4

*Not required for the Environmental Emphasis

Elective (2 hrs.)

Choose a course with advisor's approval.

<i>Additional Requirements for Environmental Emphasis (6-7 hrs.)</i>			
SFTY	1100	Safety and Environmental Components of Industry.....	3
-and-			
SFTY	2291	Environmental Engineering Technology: Hazardous Waste	4
-or-			
SFTY	3335	Air Pollution	3

Electronics Engineering Technology

The Electronics Engineering Technology program at Fairmont State University prepares graduates to work in industries that produce and use electrical and electronic equipment. Graduates are employed by a wide variety of industries, including coal, aerospace, semiconductor, control, utilities, glass, and computer companies. They may be involved in areas such as design, testing, maintenance, production, and supervision. The program is designed as a highly flexible 2 + 2 curriculum. Once the associate degree is earned, the graduate may choose to enter the workforce or continue studying at the baccalaureate level.

See Chapter 6, "Degree Requirements," for further description of Liberal Studies Requirements.

ASSOCIATE OF SCIENCE IN ELECTRONICS ENGINEERING TECHNOLOGY

(TAC of ABET Accredited) 69 sem. hrs.

The associate of science degree in Electronics Engineering Technology emphasizes an understanding of basic electronic circuits and devices. Students concentrate on mathematics and science, written and oral communication skills, fundamentals of electronics, and electronic specialization classes that cover transistors, linear and digital circuits, microcomputer systems, AC/DC machinery and controls, industrial systems, communication systems, and programmable logic controllers. Graduates with the associate degree are qualified for entry level technician positions in maintenance, repair and equipment calibration.

Required Courses (69 hrs.)

COMP	1101	Applied Technical Program	3
DRAF	1100	Engineering Graphics.....	3
ECON	2200	Introduction to Economics.....	3
ELEC	1100	Circuit Analysis I.....	3
ELEC	2200	Electronic Shop Practices	3
ELEC	2210	Circuit Analysis II.....	3
ELEC	2215	Basic Transistors	3
ELEC	2220	Linear Electronics	3
ELEC	2230	Digital Electronics.....	3
ELEC	2240	Industrial Electronics.....	3
ELEC	2250	AC-DC Machinery and Controls.....	3
ELEC	2260	Communication Systems	3
ELEC	2270	Microcomputer Systems.....	3
ELEC	2280	Programmable Controllers.....	3
ENGL	1104	Written English I.....	3
ENGL	1109	Technical Report Writing.....	3
MATH	1101	Applied Technical Math I	3
MATH	1102	Applied Technical Math II.....	3
PHYS	1101	Introduction to Physics I	4
PHYS	1102	Introduction to Physics II	4
SPCH	1100	Intro. to Speech Comm.	3
TECH	2290	Engineering Analysis I.....	4

BACHELOR OF SCIENCE IN ENGINEERING TECHNOLOGY: ELECTRONICS ENGINEERING TECHNOLOGY (TAC of ABET Accredited) 129 sem. hrs.
 Electronics Engineering Technology Curriculum
 (see below) 99 sem. hrs.
 Liberal Studies Requirements (see Chp. 6) 44 sem. hrs.

The bachelor of science degree provides students with a greater emphasis on design and analysis, with advanced classes in linear and microcomputer systems, data acquisition and control systems, an independent senior electronics project and elective hours that can be applied to a work experience practicum in industry. Graduates with the bachelor of science degree are qualified for positions that range from technician through electronic engineering technologist. Work at this level usually involves product design, writing performance requirements, developing maintenance schedules, data analysis, and programming PLC's. Baccalaureate graduates are eligible to sit for the Fundamentals of Engineering Exam (FE) in West Virginia, the first step to becoming a professional engineer.

• Electronics Engineering Technology

Curriculum 99 sem. hrs.
 Required Courses (87 hrs.)

CHEM	1101	General Chemistry I.....	4
COMP	1101	Applied Technical Program	3
DRAF	1100	Engineering Graphics.....	3
ENGL	1109	Technical Report Writing.....	3
ELEC	1100	Circuit Analysis I	3
ELEC	2200	Electronics Shop Practices.....	3
ELEC	2210	Circuit Analysis II.....	3
ELEC	2215	Basic Transistors	3
ELEC	2220	Linear Electronics	3
ELEC	2230	Digital Electronics.....	3
ELEC	2240	Industrial Electronics.....	3
ELEC	2250	AC-DC Machinery and Controls.....	3
ELEC	2260	Communications Systems	3
ELEC	2270	Microcomputer Systems.....	3
ELEC	2280	Programmable Controllers.....	3
ELEC	3300	Advanced Linear Electronics	3
ELEC	3310	Advanced Microcomputer Systems.....	3
ELEC	4400	Senior Electronics Project.....	3
ELEC	4410	Data Acquisition & Control Systems	4
MANF	2250	Total Quality and SPC	3
MATH	1101	Applied Technical Mathematics I.....	3
MATH	1102	Applied Technical Mathematics II	3
PHYS	1101	Introduction to Physics I	4
PHYS	1102	Introduction to Physics II	4
SFTY	1100	Safety & Environmental Comp. of Industry ...	3
TECH	2290	Engineering Analysis I.....	4
TECH	3300	Engineering Analysis II	4

Electives (12 hrs.) TECH (9), General (3)

AVIO	2202	Instrument Landing Systems.....	3
AVIO	2204	Aircraft Navigation Systems	3
AVIO	2209	Aircraft Pulse and Radar Systems	3
CHEM	1102	General Chemistry II	4
COMP	1102	Principles of Programming I.....	3
COMP	1108	Principles of Programming II.....	3
COMP	2200	Principles of Programming III	3
COMP	2201	Machine Organization	3
DRFT	2200	Fundamentals of CAD.....	3
INFO	2250	Networking Fundamentals	3
INFO	2251	Router Theory & Router Technologies	3
INFO	2252	Advanced Routing & Switching.....	3

MANF	2205	Engineering Economy	3
MATH	1113	Applied Statistics	4
MATH	3316	Calculus III	4
MATH	3335	Probability & Statistics	3
MATH	3362	Linear Algebra.....	3
MATH	4401	Differential Equations.....	3
MECH	1100	Statics.....	3
MECH	2200	Strength of Materials.....	4
MECH	2210	Thermodynamics I.....	3
MECH	2220	Fluid Mechanics	3
MECH	2240	Machine Design I.....	3
MECH	3350	Numerical Methods.....	3
SFTY	2250	Safety Law & Compliance	3
TECH	3399	Advanced PLCs.....	3
TECH	4401	Work Experience Laboratory.....	8

MINOR IN ELECTRONICS

ENGINEERING TECHNOLOGY 19 sem. hrs.

Required Courses (19 hrs.)

ELEC	1100	Circuit Analysis I.....	3
ELEC	2210	Circuit Analysis II.....	3
ELEC	2230	Digital Electronics.....	3
ELEC	2270	Microcomputers.....	3
ELEC	3310	Advanced Microcomputer Systems.....	3
PHYS	1101	Introduction to Physics.....	4

Mechanical Engineering Technology

Mechanical engineering technologists are concerned with the production, transmission and use of mechanical power and thermal energy. They also participate in the general design, maintenance and troubleshooting of mechanical components and assemblies (machines). The Mechanical Engineering Technology program at Fairmont State University prepares graduates for work in industry as an engineering technician or technologist where they may design, build, test, and/or maintain machines and mechanical equipment. The program is designed as a highly flexible 2 + 2 curriculum. Once the two-year degree is earned, the graduate may choose to enter the workforce or continue to study at the baccalaureate level.

Employment opportunities in mechanical engineering and related fields are expected to increase about as fast as the average of all other occupations combined through the year 2010 as the demand for machinery, machine tools and power systems grows.

See Chapter 6, "Degree Requirements," for further description of Liberal Studies Requirements.

ASSOCIATE OF SCIENCE IN MECHANICAL ENGINEERING TECHNOLOGY

(TAC of ABET Accredited) 67 sem. hrs.

The associate of science degree in Mechanical Engineering Technology emphasizes basic engineering concepts. Students concentrate on mathematics and science, written and oral communication skills, and mechanical specialization classes, including drafting, statics, strength of materials, machine design, fluid mechanics and motors/motor controllers. Many of the technical courses provide a combination of lecture and laboratory experiences. Graduates with the associate of science degree are qualified for entry-level positions as technicians, engineering assistants, and engineering aids. Job responsibilities can include a broad range of duties such as the installation, opera-

tion, maintenance, troubleshooting and repair of manufacturing equipment and commercial mechanical products.

Required Courses (67 hrs.)

COMP	1101	Applied Technical Programming	3
DRAF	1100	Engineering Graphics.....	3
DRAF	2200	Fundamentals of CAD.....	3
DRAF	2235	Technical Drafting.....	3
ECON	2200	Economics	3
ELEC	1100	Circuit Analysis I.....	3
ELEC	2250	AC-DC Machinery and Controls.....	3
ENGL	1104	Written English I.....	3
ENGL	1109	Technical Report Writing.....	3
MANF	1100	Materials and Processes	3
MATH	1101	Applied Technical Math I	3
MATH	1102	Applied Technical Math II.....	3
MECH	1100	Statics.....	3
MECH	2200	Strength of Materials.....	4
MECH	2210	Thermodynamics I.....	3
MECH	2220	Fluid Mechanics.....	3
MECH	2240	Machine Design I.....	3
PHYS	1101	Introduction to Physics I.....	4
PHYS	1102	Introduction to Physics II.....	4
SPCH	1100	Intro. to Speech Comm.	3
TECH	2290	Engineering Analysis I.....	4

BACHELOR OF SCIENCE IN ENGINEERING TECHNOLOGY: MECHANICAL ENGINEERING TECHNOLOGY

(TAC of ABET Accredited) 144 sem. hrs.

Mechanical Engineering Technology Curriculum

(see below) 100 sem. hrs.

Liberal Studies Requirements (see Chp. 6) 44 sem. hrs.

The bachelor of science degree provides students with a greater emphasis on design and analysis, with advanced courses in dynamics, thermodynamics, heat transfer, heating/ventilation/air conditioning systems and mechanical measurements. Special emphasis is placed on the practical industrial applications of basic engineering concepts and principles. Graduates with the bachelor of science degree are qualified for positions that range from technician up through mechanical engineer. Our graduates have been employed by a broad range of manufacturing companies including aerospace, automotive, chemical, nuclear, and steel, mining, as well as telephone, natural gas, and electric utilities. Baccalaureate graduates are eligible to sit for the Fundamentals of Engineering Exam (FE) in West Virginia, the first step to becoming a professional engineer.

• Mechanical Engineering Technology

Curriculum 100 sem. hrs.

Required Courses (91 hrs.)

CHEM	1101	General Chemistry I.....	4
CHEM	1102	General Chemistry II.....	4
COMP	1101	Applied Technical Program	3
DRAF	1100	Engineering Graphics.....	3
DRAF	2200	Fundamentals of CAD.....	3
DRAF	2235	Technical Drafting.....	3
ELEC	1100	Circuit Analysis I.....	3
ELEC	2250	AC-DC Machinery and Controls.....	3
ENGL	1109	Technical Report Writing.....	3
MANF	1100	Materials and Processes	3
MATH	1101	Applied Technical Mathematics I.....	3
MATH	1102	Applied Technical Mathematics II.....	3
MECH	1100	Statics.....	3

MECH	2200	Strength of Materials.....	4
MECH	2210	Thermodynamics I.....	3
MECH	2220	Fluid Mechanics.....	3
MECH	2240	Machine Design I.....	3
MECH	3300	Thermodynamics II.....	3
MECH	3320	Dynamics.....	3
MECH	3330	Heat Transfer I.....	3
MECH	3340	Heating, Air Conditioning and Ventilation.....	3
MECH	4400	Mechanical Measurements.....	3
MECH	4410	Thermodynamics III.....	3
MECH	4430	Heat Transfer II.....	3
PHYS	1101	Introduction to Physics I.....	4
PHYS	1102	Introduction to Physics II.....	4
TECH	2290	Engineering Analysis I.....	4
TECH	3300	Engineering Analysis II.....	4

Electives (9 hrs.)

CIVL	2200	Introduction to Surveying.....	3
CIVL	2210	Light Construction.....	3
CIVL	2290	Introduction to Structures.....	3
COMP	1102	Principles of Programming I.....	3
COMP	1108	Principles of Programming II.....	3
COMP	2200	Principles of Programming III.....	3
COMP	2201	Machine Organization.....	3
DRFT	2205	Technical Illustration.....	3
DRFT	2225	Descriptive Geometry.....	3
DRFT	2255	Tool Design.....	4
ELEC	2210	Circuit Analysis II.....	3
ELEC	2280	Programmable Controllers.....	3
INFO	2250	Networking Fundamentals.....	3
INFO	2251	Router Theory & Router Technologies.....	3
INFO	2252	Advanced Routing & Switching.....	3
MANF	2205	Engineering Economy.....	3
MATH	1113	Applied Statistics.....	4
MATH	3316	Calculus III.....	4
MATH	3335	Probability & Statistics.....	3
MATH	3362	Linear Algebra.....	3
MATH	4401	Differential Equations.....	3
MECH	3350	Numerical Methods.....	3
SFTY	1100	Safety & Environmental Comp. of Industry ...	3
SFTY	2250	Safety Law & Compliance.....	3
TECH	3399	Advanced PLCs.....	3
TECH	4401	Work Experience Laboratory.....	8

Safety/Environmental Engineering Technology

The Safety/Environmental Engineering Technology program prepares competent professionals who serve as valued members of the management, engineering, and business team providing solutions to complex safety/environmental problems. This program focuses on principles drawn from engineering technology, health, physics, math, psychology, language and speech. Hands-on applications of these principles are emphasized through preparatory and professional courses. Preparatory courses include math, chemistry, physics, human anatomy, statistics, speech, written composition and psychology. Professional courses include industrial hygiene and toxicology, safety engineering and design, systems safety, safety and environmental law, fire prevention, ergonomics, environmental hazard control, OSHA compliance, and program management. Computer skills and experiential learning is heavily emphasized, including laboratory activities, industrial projects and/or internships.

Internships may be paid or unpaid and can include academic credit.

The curriculum is a highly flexible 2 + 2 curriculum. Once the two-year degree is earned, the graduate may choose to enter the workforce or continue their education with two additional years at the baccalaureate level. The need for Safety/Environmental professionals will continue to grow into the next millennium. Major employers of our graduates include insurance companies (Liberty Mutual), government entities, state and local agencies, and businesses (IBM, Mobile Oil), and consulting firms. Increased emphasis on ergonomics, hazardous waste, accident costs, worker's compensation, regulatory compliance and health hazard control will require more Safety/Environmental professionals.

See Chapter 6, "Degree Requirements," for further description of Liberal Studies Requirements.

ASSOCIATE OF SCIENCE IN SAFETY

ENGINEERING TECHNOLOGY 68 sem. hrs.

Required Courses (68 hrs.)

BIOL	1101	Principles of Biology I.....	4
BIOL	1170	Anatomy and Physiology.....	4
CHEM	1101	General Chemistry.....	4
CHEM	1102	General Chemistry.....	4
ENGL	1104	Written English I.....	3
ENGL	1108	Written English II.....	3
ENGL	1109	Technical Report Writing.....	3
INFO	1100	Computer Concepts & Applications.....	3
MATH	1101	Applied Technical Math I.....	3
MATH	1102	Applied Technical Math II.....	3
PHYS	1101	Introduction to Physics I.....	4
PHYS	1102	Introduction to Physics II.....	4
SFTY	1100	Safety and Environmental Comp. of Industry	3
SFTY	1150	Safety Management and Concepts in Accident Prevention.....	3
SFTY	2250	Safety Law and Compliance.....	3
SFTY	2260	Fire Prevention.....	3
SFTY	2280	Construction Safety & Law.....	3
SFTY	2290	Industrial Hygiene and Toxicology.....	4
SFTY	2291	Environ. Engr. Technology: Hazardous Waste	4
SPCH	1100	Intro. to Speech Communication.....	3

BACHELOR OF SCIENCE IN ENGINEERING TECHNOLOGY: SAFETY/ENVIRONMENTAL

ENGINEERING 128 sem. hrs.

Safety/Environmental Engineering Curriculum

(see below) 100 sem. hrs.

Liberal Studies Requirements (see Chp. 6) 44 sem. hrs.

A Fire Safety option is also available for this degree; see details below. It is available only to AAS Fire Fighters graduates.

• Safety/Environmental Engineering

Curriculum 100 sem. hrs.

Required Courses (94 hrs.)

BIOL	1199	Human Biology.....	4
BIOL	1170	Anatomy and Physiology.....	4
CHEM	1101	General Chemistry I.....	4
CHEM	1102	General Chemistry II.....	4
ENGL	1109	Technical Report Writing.....	3
INFO	1100	Computer Concepts and Applications.....	3
MANF	2250	Total Quality and SPC.....	3
MATH	1101	Applied Technical Mathematics I.....	3

MATH	1102	Applied Technical Mathematics II	3
MATH	1113	Applied Statistics	4
MECH	1100	Statics	3
PSYC	1101	Introduction to Psychology	3
PHYS	1101	Introduction to Physics I	4
PHYS	1102	Introduction to Physics II	4
SFTY	1100	Safety & Environ. Components of Industry .	3
SFTY	1150	Safety Mgt. & Concepts in Accident Prev.	3
SFTY	2250	Safety Law & Compliance	3
SFTY	2260	Fire Prevention	3
SFTY	2280	Construction Safety & Law.....	3
SFTY	2290	Industrial Hygiene and Toxicology	4
SFTY	2291	Environmental Engr. Tech.: Haz. Waste	4
SFTY	3300	Industrial Hygiene Applications and Practices	4
SFTY	3310	Ergonomics & Human Factors	3
SFTY	3335	Air Pollution	3
SFTY	3345	Water Pollution.....	3
SFTY	4415	Safety Internship.....	3
SFTY	4400	Safety Engineering Design	3
SFTY	4420	System Safety and Management.....	4

Electives (6 hrs.)

BUSN	2251	Corporate Communication	3
COMP	1101	Applied Technical Programming	3
ELEC	1100	Circuit Analysis I.....	3
ELEC	2210	Circuit Analysis II.....	3
MANF	1100	Materials & Processes	3
MANF	2205	Engineering Economy	3
MATH	1185	Applied Calculus I	4
MATH	1186	Applied Calculus II.....	4
MECH	2200	Strength of Materials.....	3
MECH	2210	Thermodynamics I.....	3
SFTY	2210	Disaster Preparedness.....	3
SPAN	1101	Elementary Spanish I.....	3
SPAN	1102	Elementary Spanish II.....	3
TECH	2290	Engineering Analysis I.....	4
TECH	3300	Engineering Analysis II	4

Additional Requirements for Fire Safety Option (55 hrs.)

MGMT	2209	Principles of Management	3
SFTY	2291	Environmental Eng. Tech.: Hazardous Waste .	4
TECH	Elective		3
On-the-Job Training			13
Approved Fire Fighters Apprenticeship			30

MINOR IN SAFETY/ENVIRONMENTAL ENGINEERING23-24 sem. hrs.

Required Courses (20 hrs.)

SFTY	1100	Safety & Environmental Comp. of Industry .	3
SFTY	1150	Safety Mgt. & Concepts in Accident Preven-	3
SFTY	2250	Safety Law & Compliance	3
SFTY	2260	Fire Prevention	3
SFTY	2290	Industrial Hygiene and Toxicology	4
SFTY	2291	Environmental Engineering Technology:	
		Hazardous Waste	4

Electives (3-4 hrs.)

BIOL	1170	Anatomy and Physiology	4
MATH	1113	Applied Statistics	4
MECH	1100	Statics.....	3
PSYC	2240	Statistics.....	4

Graphics Technology

The Graphics Engineering Technology program at Fairmont State University is designed as a highly flexible 2 + 2 curriculum. Once the associate's degree is earned, the graduate may choose to enter the workforce or pursue the four-year degree in Electronic Publishing. The associate's degree in Graphics Technology provides students with a basic understanding of visual communications and the entry level design and technical skills. The bachelor of science degree provides students with a concentration in design theory and proficiency in computer and multimedia technologies that will allow them to enter the profession at a more advanced level.

Graduates with the associate degree are qualified for entry-level positions to work as layout artists, graphic design assistants, or Web design technicians. Graduates with the bachelor of science degree are qualified for entry-level positions as graphic designers, art directors, creative directors, Web designers, digital pre-press technicians, technical illustrators, desktop publishing artists or production artists.

Graduates of the four-year program may also pursue further study in animation for careers in commercials, television, video game design and feature films.

See Chapter 6, "Degree Requirements," for further description of Liberal Studies Requirements.

BACHELOR OF SCIENCE IN GRAPHICS TECHNOLOGY: ELECTRONIC PUBLISHING/IMAGING

SPECIALIZATION 130 sem. hrs.

Electronic Publishing/Imaging

Curriculum (see below) 86 sem. hrs.

Liberal Studies Requirements (see Chp. 6) 44 sem. hrs.

• Electronic Publishing/Imaging Curriculum 86 sem. hrs. *Required Courses (67 hrs.)*

DRAF	1100	Engineering Graphics.....	3
DRAF	2200	Fundamentals of CAD.....	3
GRAP	1100	Graphic Communications Processes.....	3
GRAP	1150	Computer Applications to Graphics.....	3
GRAP	2200	Introduction to Desktop Publishing.....	3
GRAP	2210	Graphics-Methods and Materials	3
GRAP	2225	Basic Photography	3
GRAP	2230	Layout and Design.....	3
GRAP	2235	Layout and Design II	3
GRAP	2250	Graphics Practicum	4
GRAP	2265	Estimating and Cost Analysis	3
GRAP	2270	Screen Printing Techniques.....	3
GRAP	2280	Electronic Publishing	3
GRAP	2290	Electronic Art.....	3
GRAP	3305	Production (Electronic Publishing/Imaging ...	3
GRAP	3310	Advanced Photography	3
GRAP	4400	Computer Animation and Multimedia	3
GRAP	4410	Special Topics - Graphics	3
INFO	1100	Computer Concepts & Applications	3
JOUR	3312	The Publication Process	3
OFAD	1100	Microcomputer Keyboarding.....	3
TECH	1101	Introduction to Technology.....	3

Electives (19 hrs.)

ACCT	2201	Principles of Accounting I.....	3
ACCT	2202	Principles of Accounting II.....	3
ARCH	2200	Graphics	3
ART	1140	Art Structure & Applied Design	3
ART	1141	Art Structure & Applied Design	3
ART	1142	Drawing	3
ART	1199	Special Topics	3
ART	2241	Drawing from Life	3
ART	2261	Painting.....	3
ART	2262	Painting.....	3
ART	2283	Modeling & Sculpture	3
ART	3341	Printmaking.....	3
ART	3383	Pottery.....	3
BUSN	1102	Introduction to Business	3
COMP	1100	Concepts of Computing	3
DRFT	2205	Technical Illustration.....	3
FINC	2201	Intro to Financial Management	3
FINC	3307	Personal Finance	3
INFO	2200	Fundamentals of Information Systems.....	3
INFO	2205	Information Technology	3
JOUR	1199	Special Topics in Journalism I.....	3
JOUR	2240	Reporting.....	3
JOUR	2270	Communications in Society	3
MGMT	2209	Principles of Management.....	3
MGMT	2214	Office Management.....	3
MKTG	2204	Principles of Marketing	3
MKTG	2205	Salesmanship	3
MKTG	2220	Advertising.....	3
OFAD	2230	Introduction to Word Processing	3
OFAD	2232	Word Processing Applications	3
OFAD	2240	Administrative Office Procedures	3
OFAD	2250	Desktop Publishing	3
SFTY	1100	Safety & Environmental Comp of Industry	3
TECH	1100	Technology & Society	3

BACHELOR OF SCIENCE IN GRAPHICS TECHNOLOGY: PRINTING MANAGEMENT

SPECIALIZATION	130 sem. hrs.
Printing Management Curriculum (<i>see below</i>)..	86 sem. hrs.
Liberal Studies Requirements (<i>see Chp. 6</i>)	44 sem. hrs.

• Printing Management Curriculum..... 86 sem. hrs. *Required Courses (82 hrs):*

ACCT	2201	Principles of Accounting	3
DRAF	1100	Engineering Graphics.....	3
ECON	2200	Economics	3
GRAP	1100	Graphic Communications Processes.....	3
GRAP	1150	Computer Applications to Graphics.....	3
GRAP	2200	Introduction to Desktop Publishing.....	3
GRAP	2210	Graphics-Methods and Materials	3
GRAP	2225	Basic Photography	3
GRAP	2230	Layout and Design.....	3
GRAP	2235	Layout and Design II.....	3
GRAP	2250	Graphics Practicum	4
GRAP	2255	Advanced Imaging Transfer	3
GRAP	2265	Estimating and Cost Analysis	3
GRAP	2270	Screen Printing Techniques.....	3
GRAP	2275	Production (Offset, Screen Printing).....	3
GRAP	2280	Electronic Publishing.....	3
GRAP	3310	Advanced Photography	3
GRAP	4410	Special Topics - Graphics	3
INFO	1100	Computer Concepts & Applications	3
MANF	2250	Total Quality and SPC	3

MKTG	2205	Salesmanship	3
MATH	1107	Fundamental Concepts	3
SFTY	1100	Safety and Environmental Comp. of Industry	3
TECH	1101	Introduction to Technology	3
INTR	2280	Leadership.....	3

Electives (4 hrs.)

ACCT	2201	Principles of Accounting I.....	3
ACCT	2202	Principles of Accounting II.....	3
ARCH	2200	Graphics	3
ART	1140	Art Structure & Applied Design	3
ART	1141	Art Structure & Applied Design	3
ART	1142	Drawing	3
ART	1199	Special Topics	3
ART	2241	Drawing from Life	3
ART	2261	Painting.....	3
ART	2262	Painting.....	3
ART	2283	Modeling & Sculpture	3
ART	3341	Printmaking.....	3
ART	3383	Pottery.....	3
BUSN	1102	Introduction to Business	3
COMP	1100	Concepts of Computing	3
DRFT	2205	Technical Illustration.....	3
FINC	2201	Intro to Financial Management	3
FINC	3307	Personal Finance	3
INFO	2200	Fundamentals of Information Systems.....	3
INFO	2205	Information Technology	3
JOUR	1199	Special Topics in Journalism I.....	3
JOUR	2240	Reporting.....	3
JOUR	2270	Communications in Society	3
MGMT	2209	Principles of Management.....	3
MGMT	2214	Office Management.....	3
MKTG	2204	Principles of Marketing	3
MKTG	2205	Salesmanship	3
MKTG	2220	Advertising	3
OFAD	2230	Introduction to Word Processing	3
OFAD	2232	Word Processing Applications	3
OFAD	2240	Administrative Office Procedures	3
OFAD	2250	Desktop Publishing	3
SFTY	1100	Safety & Environmental Comp. of Industry ...	3
TECH	1100	Technology & Society	3

MINOR IN GRAPHICS TECHNOLOGY 21 sem. hrs.

Required Courses (21 hrs.)

GRAP	1100	Graphic Communications Processes.....	3
GRAP	2200	Introduction to Desktop Publishing.....	3
GRAP	2210	Graphics-Methods and Materials.....	3
GRAP	2225	Basic Photography	3
GRAP	2230	Layout and Design.....	3
GRAP	2245	Graphic Arts Photography	3
GRAP	2265	Estimating and Cost Analysis	3

TECHNOLOGY EDUCATION

The FSU Technology Education Program is nationally recognized as one of the best undergraduate programs in the country. There is an extremely high demand for FSU graduates, especially in eastern states such as West Virginia, Virginia, Pennsylvania, Ohio, Maryland, North Carolina, South Carolina and Florida. The program's small classes are a contributing factor to its 100% passing rate on the National Teacher's Exam. Students will learn to work directly with their pupils to solve

problems, plan projects, select materials, produce projects, use tools and equipment in a safe manner, and properly organize and maintain a technology education laboratory. Students may choose either the comprehensive or single-subject specialization (the latter requires students to choose another specialization in addition, in order to graduate).

See Chapter 10, the School of Education, for further information about Liberal Studies Requirements for teacher education candidates.

BACHELOR OF ARTS IN EDUCATION: TEACHING FIELD IN TECHNOLOGY EDUCATION

COMPREHENSIVE 5-ADULT 133 sem hrs.

Technology Education Curriculum (*see below*) 59

Liberal Studies Requirements (*see Chp. 10*) 45

Professional Education Courses 33

• Technology Education Curriculum 59 sem. hrs.

Required Courses (59 hrs.)

DRAF 2200 Fundamentals of CAD 3

INFO 1100 Computer Concepts and Applications 3

MATH 1101 Applied Technical Mathematics I 3

MATH 1102 Applied Technical Mathematics II 3

MANF 1100 Materials and Processes 3

TECH 1100 Technology and Society 3

TECH 1104 Technology Design & Problem Solving 3

TECH 1150 Control Technology 3

TECH 2202 Transportation I 4

TECH 2203 Manufacturing I 4

TECH 2204 Construction I 4

TECH 3301 Communication 4

TECH 3302 Manufacturing II 4

TECH 3303 Transportation II 4

TECH 3304 Construction II 4

TECH 3331 Organization and Administration of Tech. Ed. 4

TECH 4431 Methods and Materials for Teaching Tech. Ed. 3

• Professional Education 33 sem. hrs.

EDUC 2200 Intro. to Education 3

EDUC 2201 Instructional Technology 3

EDUC 2202 Human Growth and Development 3

EDUC 2202L Laboratory - Clinical I 1

EDUC 3331 Reading in the Content Areas 3

EDUC 3351 Human Exceptionalities & Cultural Diversity 3

EDUC 3351L Laboratory - Clinical II 1

EDUC 3352 Educational Psychology 3

EDUC 3352L Laboratory - Clinical II 1

EDUC 3395 Second. Classroom Organization & Practices 4

EDUC 4495 Secondary Student Teaching/Clinical III 8

BACHELOR OF ARTS IN EDUCATION: TEACH- ING FIELD IN TECHNOLOGY EDUCATION SINGLE TEACHING FIELD, 5-ADULT 128 sem hrs.

Technology Education Curriculum (*see below*) 32

Liberal Studies Requirements (*see Chp. 6*) 45

Professional Education Courses 33

Additional Specialization *hours will vary*

Students who choose this specialization must have an additional one to complete their BA degree. See Chapter 10, School of Education, for further information.

• Technology Education Curriculum sem. hrs.

Required Courses (32 hrs.)

MANF 1100 Materials and Processes 3

TECH 1104 Technology Design & Problem Solving 3

TECH 1150 Control Technology 4

TECH 2203 Manufacturing I 4

TECH 3301 Communication 4

TECH 3303 Transportation II 4

TECH 3304 Construction II 4

TECH 3331 Organization and Administration of Tech Ed. 4

TECH 4431 Methods and Materials for Teaching Tech. Ed. 3

• Professional Education 33 sem. hrs.

EDUC 2200 Intro. to Education 3

EDUC 2201 Instructional Technology 3

EDUC 2202 Human Growth and Development 3

EDUC 2202L Laboratory - Clinical I 1

EDUC 3331 Reading in the Content Areas 3

EDUC 3351 Human Exceptionalities & Cul. Diversity 3

EDUC 3351L Laboratory - Clinical II 1

EDUC 3352 Educational Psychology 3

EDUC 3352L Laboratory - Clinical II 1

EDUC 3395 Second. Classroom Org. & Practices 4

EDUC 4495 Secondary Student Teaching/Clinical III 8

TECHNOLOGY

MINOR IN TECHNOLOGY 23 sem. hrs.

Required Courses (15 hrs.)

ELEC 1100 Circuit Analysis I 3

DRAF 1100 Engineering Graphics 3

MANF 1100 Materials and Processes 3

MANF 2250 Total Quality and SPC 3

SFTY 1100 Safety & Envir Components of Industry 3

Electives (8 hrs.)

Technology Electives (*Advisor approved*) 8

School of Business

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FACULTY

ALSHALLAH, MOHAMED (1988)
Associate Professor of Economics/ Business Administration

BENNETT, GARY K., CPA (1980)
Assistant to the Dean, School of Business
Coordinator of Accounting and Finance
Senior Associate Professor of Finance/Accounting

BURNELL, MARY A., CPA (1989)
Assistant Professor of Accounting/Information Systems

CASELL, MACGORINE (1992)
Professor of Business Administration

DODSON, TRACIE M. (1999)
Coordinator of Information Systems
Assistant Professor of Information Systems

GOODWIN, RONALD W., CPA (1978)
Associate Professor of Accounting

HARVEY, RICHARD (1988)
Dean of Graduate Studies
Professor of Finance/Business Law

HINTON, GREGORY T. (1989)
Professor of Business Law

KHALIL, MOHAMAD A. (1988)
Coordinator of Business Administration/Economics
Professor of Business Administration/Economics

KIRBY, JACK R. (2001)
Assistant Professor of Business Administration

LAWRENCE, JOAN, CPA (1973)
Associate Professor of Accounting

SURENDRAN, SUNIL (1994)
Professor of Marketing and Management

WEAVER, ROBERT C. (1988)
Coordinator of Management and Marketing
Assistant Professor of Management and Marketing

WILSON, ROGER W. (2002)
Assistant Professor of Information Systems

TABLE OF CONTENTS

1. Accounting	69
2. Business Education	70
3. Finance	70
4. General Business	71
5. Hospitality Management	71
6. Information Systems	72
7. Management	72
8. Marketing	73
9. Sport Management	73
10. Additional Business Minors	74



The School of Business offers a Bachelor of Science Degree in Business Administration with concentrations in Accounting, Business Management, Economics, Entrepreneurial Studies, Finance, General Business, Hospitality Management, Human Resource Management, Information Systems, Marketing and Sport Management. Students may also obtain a Bachelor of Arts in Education, specializing in Business Education—Comprehensive.

Business Administration majors are not required to select a minor field of study, but are strongly encouraged to do so. Combinations with regard to major and minor are restricted; students must consult the Catalog or an advisor when selecting a minor. A major and a minor in the same academic field is not permitted. Duplicate credit may be earned for courses that are specifically required in both the major and minor, with the exception of Economics 2201. Economics 2202 cannot be used for Liberal Studies credit. Economics 2200 cannot be substituted for Economics 2201 in meeting the School's major or minor requirements.

Courses offered by the School of Business may be found under the headings of Accounting, Business, Business Education, Economics, Finance, Information Systems, Management and Marketing. **All courses may not be offered each semester; therefore, students are urged to consult with their advisor in course scheduling.** Course rotation schedules are available in the Business School office, as well as on its website.

All students seeking a B.S. in Business Administration must take the core courses described below.

• Business Core 45 sem. hrs.			
ACCT	2201	Principles of Accounting I	3
ACCT	2202	Principles of Accounting II	3
BUSN	2251	Corporate Communications	3
BUSN	3306	Business Law I	3
BUSN	3310	Business and Economic Statistics	3
BUSN	3320	International Business	3
BUSN	4415	Strategic Management and Policy	3
ECON	2201/02	Economic Principles & Problems I, II	6
FINC	2201	Introduction to Financial Management	3
INFO	2200	Fundamentals of Information Systems	3
INFO	2235	Microcomputer Applications in Business	3
MGMT	2209	Principles of Management	3
MKTG	2204	Principles of Marketing	3
MATH*	1112	College Algebra (or higher Math)	3

**Students planning to enter a graduate program in business are strongly encouraged to take Math 1190 (Calculus I) in lieu of Math 1112.*

ACCOUNTING

The accounting curriculum has been designed to offer an integrated educational experience in the subdisciplines of financial accounting, managerial accounting, taxation, information systems, and auditing. The accounting major provides students with traditional technical accounting skills, as well as expanded skills in analytical reasoning, problem solving, computers, and oral and written communication. Students are prepared to succeed in careers with public accounting firms, corporations, and non-profit organizations.

Individuals filing an initial application to sit for the CPA Examination in West Virginia must have completed a total of 150 semester hours of post-secondary education and received a bachelor's or higher degree from a college recognized by the West Virginia State Board of Accountancy. The total education program shall include an accounting concentration and business courses defined by the WVSBOA. The 150 credit hour program is available through the School of Business. Students wishing to sit for the CPA exam should meet with their advisor early in the their program to structure course work in compliance with the WVSBOA requirements.

See Chapter 6, "Degree Requirements," for further description of Liberal Studies Requirements.

BACHELOR OF SCIENCE IN BUSINESS

ADMINISTRATION: ACCOUNTING	128 sem. hrs.
Business Core	45 sem. hrs.
Accounting Curriculum (see below)	36 sem. hrs.
Liberal Studies Requirements (see Chp. 6)	44 sem. hrs.
Free Electives	3 sem. hrs.

• Accounting Curriculum 36 sem. hrs.			
<i>Required Courses (36 hrs.)</i>			
ACCT	3301	Intermediate Accounting I	3
ACCT	3302	Intermediate Accounting II	3
ACCT	3325	Intermediate Accounting III	3
ACCT	3330	Advanced Accounting I	3
ACCT	3331	Advanced Accounting II	3
ACCT	3350	Accounting Information Systems	3
ACCT	4404	Cost Accounting	3
ACCT	4405	Auditing	3
ACCT	4406	Federal Income Tax Accounting: Individual	3
ACCT	4407	Federal Income Tax Accounting: Partnership and Corporation	3
ACCT	4410	Case Studies in Accounting	3
BUSN	3307	Business Law II	3

MINOR IN ACCOUNTING 18 sem. hrs.

ACCT	2201	Principles of Accounting I	3
ACCT	2202	Principles of Accounting II	3
ACCT	3301/02	Intermediate Accounting I, II	6
ACCT	3330/31	Advanced Accounting I, II	3
ACCT	3350	Accounting Information Systems	3
ACCT	4404	Cost Accounting	3
ACCT	4405	Auditing	3
ACCT	4406	Federal Income Tax Accounting: Individual	3
ACCT	4407	Federal Income Tax Accounting: Partnership & Corporation	3

BUSINESS EDUCATION:

Teaching Fields in Business Education Business Education Comprehensive

Business Education is a professional field for people interested in teaching in a school system, grades 5-Adult; junior or community college; or a vocational-technical center. Training is provided through a student teaching experience in the public school system. Graduates of this program also have the option of working in the business world. Courses marked with an asterisk must be completed prior to admission to the Initial Performance Practicum. Please note: Candidates for this degree are NOT required to complete the entire Business Core; all courses required for the major are listed below.

See Chapter 10, the School of Education, for further description of Liberal Studies Requirements.

BACHELOR OF ARTS IN BUSINESS

EDUCATION GRADES 5-ADULT 137 sem. hrs.

Business Education Curriculum (see below)..... 60 sem. hrs.

Liberal Studies Requirements (see Chp. 10) 44 sem. hrs.

Professional Education Courses 33 sem. hrs.

• Business Education Curriculum..... 60 sem. hrs.

ACCT*	2201	Principles of Accounting I.....	3
ACCT*	2202	Principles of Accounting II.....	3
BUSN*	1102	Introduction to Business	3
BUSN*	1141	Business Mathematics	3
BUSN	2251	Corporate Communications	3
BUSN	3306	Business Law I.....	3
BUSN*	4431	Methods and Materials in Teaching Business Education.....	3
ECON*	2201	Economic Principles & Problems I.....	3
ECON*	2202	Economic Principles & Problems II.....	3
FINC*	3307	Personal Finance	3
INFO*	1100	Computer Concepts and Applications.....	3
INFO*	2235	Microcomputer Applications in Business	3
MGMT	2214	Office Management	3
MKTG	2204	Principles of Marketing	3
OFAD*	2230	Introduction to Word Processing.....	3
OFAD*	2232	Word Processing Applications	3
OFAD*	2233	Database Applications.....	3
OFAD*	2240	Administrative Office Procedures	3
OFAD*	2242	Prof. Internship and Portfolio Development ..	3
OFAD*	2250	Desktop Publishing	3

• Professional Education..... 33 sem. hrs.

EDUC	2200	Intro. to Education	3
EDUC	2201	Instructional Technology	3
EDUC	2202	Human Growth and Development.....	3
EDUC	2202L	Laboratory - Clinical I	1
EDUC	3331	Reading in the Content Areas	3
EDUC	3351	Human Exceptionalities & Cultural Diversity	3
EDUC	3351L	Laboratory - Clinical II	1
EDUC	3352	Educational Psychology	3
EDUC	3352L	Laboratory - Clinical II	1
EDUC	3395	Second. Classroom Org. & Practices.....	4
EDUC	4495	Secondary Student Teaching/Clinical III.....	8

FINANCE

The Finance curriculum is designed to prepare students for a career path in the financial services industries, as well as for careers in corporate finance functions. Students are exposed to the concepts of financial analysis and financial decision making and their application.

Students completing the B.S. in Business Administration degree with a major in finance will be able to compete with graduates of most colleges and universities for positions as account managers, bankers, credit directors, equity traders, sales managers, risk managers and financial managers.

See Chapter 6, "Degree Requirements," for further description of Liberal Studies Requirements.

BACHELOR OF SCIENCE IN BUSINESS

ADMINISTRATION: FINANCE 128 sem. hrs.

Business Core 45 sem. hrs.

Finance Curriculum (see below)..... 21 sem. hrs.

Liberal Studies Requirements (see Chp. 6)..... 44 sem. hrs.

Free Electives..... 18 sem. hrs.

• Finance Curriculum..... 21 sem. hrs.

Required Courses (21 hrs.)

BUSN	3307	Business Law II	3
FINC	3307	Personal Finance	3
FINC	3384	Bank Management	3
FINC	3350	Investments	3
FINC	3385	Analyzing Financial Statements	3
FINC	4410	Managerial Finance	3
FINC	4412	PC Applications for Managerial Finance	3

MINOR IN FINANCE 18 sem. hrs.

To meet the requirements for a Finance minor, non-business majors must also complete FINC 2201, Introduction to Financial Management.

Required Courses (3 hrs.)

FINC	4410	Managerial Finance	3
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Electives (15 hrs.)

FINC	1180	Principles of Banking.....	3
FINC	2201	Introduction to Financial Management	3
FINC	2260	Principles of Real Estate	3
FINC	2270	Principles of Insurance	3
FINC	2294	Commercial Lending.....	3
FINC	3307	Personal Finance	3
FINC	3350	Investments	3
FINC	3384	Bank Management	3
FINC	3385	Analyzing Financial Statements	3
FINC	3387	Bank Simulation.....	3
FINC	3392	Trusts and Estate Planning.....	3
FINC	4412	PC Applications for Managerial Finance	3

GENERAL BUSINESS

The General Business major is designed to give students a fundamental understanding of the substance and context of business in a world that is continually changing. Students are exposed to a diversified background in the various disciplines necessary for achieving success in the business arena. This major is flexible so that students may tailor their programs to particular interests. Students may select either the Entrepreneurial Studies emphasis or the General emphasis. The General emphasis is designed to give students a fundamental understanding of the substance and context of business in a highly competitive and dynamic environment. The Entrepreneurial Studies emphasis is designed to meet the needs of students who are interested in starting their own businesses. Graduates are prepared to secure positions in insurance companies, banks, retail businesses, personnel and human resource departments, government services, and/or manage their own businesses.

See Chapter 6, "Degree Requirements," for further description of Liberal Studies Requirements.

BACHELOR OF SCIENCE IN BUSINESS ADMINISTRATION: GENERAL BUSINESS

(General emphasis)	63 sem. hrs.
Business Core	45 sem. hrs.
General Curriculum (see below)	18 sem. hrs.
Liberal Studies Requirements (see Chp. 6)	44 sem. hrs.
Free Electives	21 sem. hrs.

• General Curriculum

This emphasis is flexible so that students may tailor their programs to their particular interests. With guidance from a faculty advisor and approval by the Dean of the Business School, students will determine a program of 18 credit hours that will fulfill their needs and objectives.

BACHELOR OF SCIENCE IN BUSINESS ADMINISTRATION: GENERAL BUSINESS

(Entrepreneurial Studies emphasis)	63 sem. hrs.
Business Core	45 sem. hrs.
Entrepreneurial Studies Curriculum (see below)	18 sem. hrs.
Liberal Studies Requirements (see Chp. 6)	44 sem. hrs.
Free Electives	21 sem. hrs.

• Entrepreneurial Studies Curriculum

Required Courses (18 hrs.)

ACCT	2215	Managerial Accounting	3
BUSN	2205	Small Business Fundamentals	3
BUSN	3300	Entrepreneurship	3
BUSN	3315	Venture Finance	3
BUSN	3340	Advanced Business Law for Managers	3
BUSN	4405	Entrepreneurial Leadership	3
-or-			
BUSN	4410	Enterprise Development	3

MINOR IN GENERAL BUSINESS 21 sem. hrs.

This minor is not available to majors of any field within the School of Business.

Required Courses (12 hrs.)

ACCT	2201	Principles of Accounting I	3
ACCT	2202	Principles of Accounting II	3
BUSN	3306	Business Law I	3
ECON	2201	Economic Principles and Problems I	3

Electives (9 hrs.)

BUSN	3307	Business Law II	3
ECON	2202	Economic Principles and Problems II	3
ECON	3308	International Economics	3
FINC	2201	Introduction to Financial Management	3
INFO	1100	Computer Concepts and Applications	3
MGMT	2209	Principles of Management	3
MKTG	2204	Principles of Marketing	3

HOSPITALITY MANAGEMENT

The curriculum of the Hospitality Management program incorporates the study of fundamental business principles with practical culinary techniques. Students must complete an Associate Degree in Food Service Management-Culinary Arts Specialization before being accepted into the Hospitality Management program. (See FSC&TC catalog description for AAS Food Service Management). The Hospitality Management program of study produces graduates who are equipped to pursue a career in management of a hospitality operation. Graduates of the Hospitality Management program are prepared for positions in management of hotels & lodging, food service, cruise ships, country clubs, resorts, and tourism.

Students in the Hospitality Management program are NOT required to take the following Business Core courses:

ECON	2201/02
MGMT	2209
MKTG	2204

See Chapter 6, "Degree Requirements," for further description of Liberal Studies Requirements.

BACHELOR OF SCIENCE IN BUSINESS ADMINISTRATION: HOSPITALITY

MANAGEMENT	147 sem. hrs.
AAS Food Service Management (Culinary Specialization)	64 sem. hrs.
Business Core	33 sem. hrs.
Hospitality Curriculum (see below)	6 sem. hrs.
Liberal Studies Requirements (see Chp. 6)	44 sem. hrs.

• Hospitality Curriculum

Required Courses (6 hrs.)

BUSN	4440	Hospitality Internship	3
ECON	2200	Economics	3

INFORMATION SYSTEMS

Information Systems students study computer hardware and operating systems, network architecture and management, systems analysis and design, and database management techniques. Graduates are qualified for entry-level positions in information systems departments, network management, and database administration.

See Chapter 6, "Degree Requirements," for further description of Liberal Studies Requirements.

BACHELOR OF SCIENCE IN BUSINESS ADMINISTRATION: INFORMATION

SYSTEMS	128 sem. hrs.
Business Core	45 sem. hrs.
Information Systems Curriculum (see below)	32 sem. hrs.
Liberal Studies Requirements (see Chp. 6)	44 sem. hrs.
Free Electives	7 sem. hrs.

• Information Systems Curriculum 32 sem. hrs.

Required Courses (32 hrs.)

COMP 1102	Principles of Programming I	3
INFO 2200	Fundamentals of Information Systems	3
INFO 2205	Information Technology Hardware and Operating Systems	3
INFO 2250	Networking Fundamentals	3
INFO 3310	Systems Analysis and Design	3
INFO 3339	Programming, Data, & File Structures	4
INFO 3340	Advanced Application Development	4
INFO 3350	Internship in Information Systems	3
INFO 4420	Database Design and Implementation	3
INFO 4430	Special Topics in Information Systems	3

MINOR IN INFORMATION SYSTEMS18-20 sem. hrs.

This minor is intended for any major except Information Systems.

Required Courses (9 hrs.)

INFO 2200	Fundamentals of Information Systems	3
INFO 2205	Microcomputer Hard. and Operating Sys.	3
INFO 2250	Networking Fundamentals	3

Electives (9-11 hrs.)

INFO 2251	Router Theory and Router Technologies	3
INFO 2252	Advanced Routing and Switching	3
INFO 2253	Project Based Learning	3
INFO 3310	System Analysis and Design	3
INFO 3339	Programming, Data, & File Structures	4
INFO 3340	Advanced Application Development	4
INFO 3373	Manage./Human Resources Info. System	3
INFO 4420	Database Design and Implementation	3
INFO 4430	Special Topics in Information Systems	3

MANAGEMENT

The B.S. in Business Administration management major offers students a choice of emphasis—Business Management or Human Resource Management. The Business Management emphasis fosters the notion that every organization needs a leader, who is competent and able to make effective decisions concerning organizational resources, goals, and plans. This program is intended to give students the skills necessary to design, operate, and control business systems and procedures. Coursework is geared toward building student understanding of the social, legal, environmental, technological, organizational and international context within which American businesses operate.

The Human Resource Management emphasis is designed to provide students with a comprehensive and practical foundation in the major areas needed to become a personnel generalist. The concept of "work smarter, not harder" makes the desire for optimum productivity in the workplace into a necessity. Human Resource Management is an essential function in all types of organizations. Professional positions in HRM are found in the areas of compensation and benefits, training, employee selection, information systems, and labor relations.

Graduates typically enter an organization in various capacities and eventually move up to middle and top management positions with increasing responsibility. Some of the industries which typically hire graduates with a concentration in management include agriculture, forestry, mining and construction industries, manufacturing industries, transportation, communications and utilities, wholesale and retail trade businesses, state, local and federal governmental units.

See Chapter 6, "Degree Requirements," for further description of Liberal Studies Requirements.

BACHELOR OF SCIENCE IN BUSINESS ADMINISTRATION: MANAGEMENT

(Business Management Emphasis)	128 sem. hrs.
Business Core	45 sem. hrs.
Business Management Curriculum (see below) ...	21 sem. hrs.
Liberal Studies Requirements (see Chp. 6)	44 sem. hrs.
Free Electives	18 sem. hrs.

• Business Management Curriculum 21 sem. hrs.

Required Courses (15 hrs.)

BUSN 2205	Small Business Fundamentals	3
MGMT 3308	Human Resource Management	3
MGMT 3390	Organizational Behavior	3
MGMT 4402	Organizational Change & Development	3
MGMT 4405	Operations Management	3
-or-		
MGMT 4409	Quantitative Management	3

Electives (6 hrs.)

Students may choose any 3300-4400 level Management courses.

BACHELOR OF SCIENCE IN BUSINESS

ADMINISTRATION: MANAGEMENT

(Human Resource Emphasis)	128 sem. hrs.
Business Core	45 sem. hrs.
Human Resources Curriculum (<i>see below</i>).....	21 sem. hrs.
Liberal Studies Requirements (<i>see Chp. 6</i>)	44 sem. hrs.
Free Electives.....	18 sem. hrs.

• **Human Resource Curriculum** 21 sem. hrs.
Required Courses (12 hrs.)

BUSN	3319	Employment Law.....	3
MGMT	3308	Human Resource Management.....	3
MGMT	3390	Organizational Behavior	3
MGMT	4402	Organizational Change & Development.....	3

Electives (9 hrs.)

ECON	3305	Economics of Labor	3
INFO	3373	Management/Human Resources Info. Sys.	3
INTR	2280	Empowering Leadership	3
MGMT	3370	Compensation and Benefits.....	3
MGMT	3371	Employer Relations.....	3
MGMT	3372	Human Resources Selection and Evaluation..	3

MARKETING

The Marketing program is designed to develop graduates who possess a strong foundation for many career choices, by offering courses in marketing management, advertising, salesmanship, marketing research, consumer behavior, distribution/logistics management and international marketing. The program integrates the marketing training with other relevant disciplines (accounting, management, finance, economics) to assure that students have the combination of skills that meet management requirements for today's marketing activities. Students completing the B.S. in Business Administration with a major in marketing will be able to compete with graduates of most colleges and universities for positions as account supervisors, creative directors, advertising managers or executives, circulation managers, fundraising consultants, marketing directors, executive directors, marketing program managers, sales and marketing executives and operations managers.

NOTE: The minor in Retail Management cannot be used to fulfill a minor requirement when the major is Marketing.

See Chapter 6, "Degree Requirements," for further description of Liberal Studies Requirements.

BACHELOR OF SCIENCE IN BUSINESS

ADMINISTRATION: MARKETING

.....	128 sem. hrs.
Business Core	45 sem. hrs.
Marketing Curriculum (<i>see below</i>)	18 sem. hrs.
Liberal Studies Requirements (<i>see Chp. 6</i>)	44 sem. hrs.
Free Electives.....	21 sem. hrs.

• **Marketing Curriculum** 18 sem. hrs.
Required Courses (18 hrs.)

MKTG	2205	Salesmanship & Sales Management.....	3
MKTG	3305	Distribution & Logistics Management	3
MKTG	3310	Consumer Behavior	3
MKTG	3320	Advertising and Sales Promotion.....	3
MKTG	3330	International Marketing.....	3

MKTG	3340	Marketing Research.....	3
MKTG	3399	Special Topics in Marketing	3
MKTG	4450	Marketing Management	3

SPORT MANAGEMENT

The curriculum of the Sport Management program incorporates not only the principles of marketing and management but also the knowledge of all sporting activities. The curriculum focuses on the business of sports and produces graduates who understand sound business principles. Students completing the B.S. in Business Administration degree with a major in sport management will be able to compete with graduates of most colleges and universities for positions in promotion and event management, sales administration, sports marketing, health resorts, wellness centers and country clubs.

Students in the Sport Management program are NOT required to take the following Business Core course:

ACCT	2202
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See Chapter 6, "Degree Requirements," for further description of Liberal Studies Requirements.

BACHELOR OF SCIENCE IN BUSINESS

ADMINISTRATION: SPORT

MANAGEMENT	138 sem. hrs.
Business Core	42 sem. hrs.
Sport Management Curriculum (<i>see below</i>).....	52 sem. hrs.
Liberal Studies Requirements (<i>see Chp. 6</i>)	44 sem. hrs.

• **Sport Management Curriculum** 52 sem. hrs.
Required Courses (37 hrs.)

BUSN	4420	Business and Society	3
FOSM	1110	Nutrition.....	3
PHED	1100	Fitness and Wellness.....	2
PHED	2211	Anatomy and Physiology	4
PHED	2212	Physiology of Exercise	3
PHED	3318	Sport Social Psychology	2
PHED	3320	Lifespan Motor Development	3
PHED	3357	Medical-Legal Aspects of Sport Coaching	2
PHED	3399	Sport Management Internship	3
PSYC	1101	Introduction to Psychology.....	3
SAFE	2200	Accident Analysis & Emergency Care.....	2
SCIE	1199	Human Biology	4
SOCY	1110	Introduction to Sociology.....	3

Electives (15 hrs.)

BUSN	2205	Small Business Fundamentals	3
ENGL	1109	Technical Report Writing	3
-or-			
JOUR	2240	Reporting I	3
MGMT	3308	Human Resource Management.....	3
MKTG	2205	Salesmanship and Sales Management	3
MKTG	3305	Distribution and Logistics.....	3
MKTG	3320	Advertising and Sales Promotion.....	3
MKTG	3340	Marketing Research.....	3
SPCH	1171	Mass Communication	3
SPCH	3337	Persuasive Communication	3

ADDITIONAL BUSINESS MINORS

MINOR IN ECONOMICS 18 sem. hrs.

Electives (18 hrs.)

ECON 2201/02	Economic Principles & Problems I, II.....	6
ECON 3301	Inter. Econ. Analysis: Microeconomics.....	3
ECON 3302	Inter. Econ. Analysis: Macroeconomics.....	3
ECON 3303	Money, Credit and Banking	3
ECON 3305	Economics of Labor	3
ECON 3308	International Economics	3
ECON 4401	Managerial Economics	3
ECON 4406	Guided Economic Study	1-3
MATH 1115	Trigonometry & Elementary Functions.....	3

MINOR IN INTERNATIONAL BUSINESS 18 sem. hrs.

Required Courses (12 hrs.)

BUSN 3320	International Business	3
ECON 3308	International Economics	3
MGMT 3325	International Management	3
MKTG 3330	International Marketing	3

Electives (6 hrs.)

Select six credit hours in a single foreign language or six hours from the elective list following. Students may substitute another language for French or Spanish.

FREN 1101	Elementary French I	3
FREN 1102	Elementary French II	3
-or-		
SPAN 1101	Elementary Spanish I.....	3
SPAN 1102	Elementary Spanish II	3

Elective List:

ENGL 3382	The World Novel	3
FREN 3314	French Civilization and Culture.....	3
GEOG 3305	Economic Geography	3
GEOG 3340	Geography of Europe	3
GEOG 3350	Geography of Latin America.....	3
GEOG 3360	Geography of Africa.....	3
GEOG 3370	Geography of Asia	3
HIST 3310	Diplomatic History of the U.S.....	3
HIST 3352	Russia.....	3
HIST 4405	History of Africa	3
HIST 4410	History of Asia I	3
HIST 4420	History of Latin America	3
HIST 4431	Recent Europe	3
PHIL 3350	Comparative Religions	3
POLI 3321	U.S. Foreign Policy	3
POLI 3350	International Law and Organization	3
POLI 3393	Future Global Crises.....	3
POLI 4406	International Problems.....	3
SPAN 3310	Spanish Civilization & Culture	3
SPAN 3320	Latin American Civilization & Culture	3

MINOR IN OFFICE ADMINISTRATION 24 sem. hrs.

Required Courses (24 hrs.)

ACCT 2201	Principles of Accounting	3
BUSN 2251	Corporate Communications	3
INFO 1100	Computer Concepts and Applications.....	3
MGMT 2214	Office Management.....	3
OFAD 2230	Introduction to Word Processing.....	3
OFAD 2233	Database Applications	3
OFAD 2240	Administrative Office Procedures	3
OFAD 2250	Desktop Publishing	3

MINOR IN PUBLIC ADMINISTRATION 21 sem. hrs.

Required Courses (15 hrs.)

FINC 2201	Introduction to Finance	3
MGMT 2209	Principles of Management	3
MGMT 3308	Human Resource Management.....	3
POLI 2204	Introduction to Public Administration	3
SOCY 3360	Methods of Social Research.....	3

Electives (6 hrs.)

BUSN 3310	Business and Economic Statistics.....	3
MGMT 3390	Organizational Behavior	3
MGMT 4409	Quantitative Management.....	3
MKTG 3340	Marketing Research.....	3
MATH 1190	Calculus I.....	4
POLI 2205	State and Local Government.....	3

MINOR IN RETAIL MANAGEMENT 18 sem. hrs.

Required Courses (18 hrs.)

BUSN 2205	Small Business Fundamentals	3
MGMT 3308	Human Resource Management.....	3
MKTG 2204	Principles of Marketing	3
MKTG 2205	Salesmanship and Sales Management	3
MKTG 3305	Distribution & Logistics Management	3
MKTG 3320	Advertising and Sales Promotion	3

School of Education

■ Dr. Allen Colebank, Interim Dean, School of Education
352 Education Building / (304) 367-4241
FAX: (304) 367-4599
ccolebank@fairmontstate.edu

■ Dr. Carolyn Crislip-Tacy, Chair
Health and Human Performance Department
305 Feaster Center / (304) 367-4143
ccrisliptacy@fairmontstate.edu

FACULTY

BAKER, WARREN (1992)
Assistant Professor of Education

BERRYHILL, PHILIP (1990)
Coordinator, Elementary Education
Professor of Education

BRADLEY, L. CHERI (2001)
Temporary Assistant Professor of Education

CABLE, ROBERT (1991)
Head Athletic Trainer
Instructor of Physical Education

COLEBANK, ALLEN (1976)
Interim Dean, School of Education/HHP
Professor of Education

ELLIOTT, JAMES L. (1989)
Football Coach
Temporary Instructor of Physical Education

HESS, RANDY (1982)
Assistant Professor of Physical Education

HILL, LARRY L. (1968)
Assistant Professor of Physical Education

HUMBERT, ROXANN (2001) (G)
Director of Learning Technologies
Associate Professor of Education

JAMES, KRISTI (2004)
Temporary Instructor of Education
Minority Teaching Fellow

JONES, GWENDOLYN R. (2003)
Assistant Professor of Education

KABAIKU, CHARITY (2004)
Minority Teaching Fellow
Temporary Instructor of Education

KIEFER, KRISTI A. (1994)
Temporary Assistant Professor of Physical Education

KREUTZER, JUDITH R., C.F.C.S., C.F.L.E. (1983)
Director of Family and Consumer Sciences
Professor of Family and Consumer Sciences

LAVORATA, CHRISTINA M. (1999)
Associate Provost
Associate Professor of Education

LOPEZ, MICHAEL A. (2002)
Assistant Football Coach
Instructor of Health and Physical Education

MCCLURE, NANCY C. (1998)
Director, Fairmont State Foundation Center for Teaching Excellence
Associate Professor of Education

MCDONALD, STEPHEN M. (1994)
Women's Basketball Coach
Instructor of Physical Education

MORROOSE, DONALD A. (1969) (G)
Associate Dean of Graduate Studies
Professor of Education

MORPHEW, VALERIE (2000) (G)
Associate Professor of Education

MURPHY, TIMOTHY (2002)
Men's Basketball Coach
Temporary Assistant Professor of Physical Education

NUZUM, DONNA (1991)
Assistant Professor/Director of Community Service Learning

RENEAU, PAUL D. (2002)
Associate Professor of Physical Education

SAPP, GERALD H. (1997) (G)
Associate Professor of Education

SNIVELY, PATRICK M. (2001)
Swimming Coach
Temporary Instructor of Physical Education

VINCENT, BRENT (2004)
Assistant Men's Basketball Coach
Temporary Instructor of Health and Physical Education

TABLE OF CONTENTS

<i>Teacher Education Overview</i>	76
<i>Programs of Study</i>	
1. Elementary Education K-6	78
2. Pre-K - Adult	79
3. Art & Music	80
4. Library Science	81
5. Health Science	81
6. Health Education	82
7. Exercise Science	82
8. Physical Education	83
9. Recreational Leadership	83
10. Family & Consumer Sciences	83
11. Minor in Education	84
12. Sport Coaching	85
13. School Nursing Program	85

The teacher education program at Fairmont State University is designed to utilize the cooperative functions of the academic disciplines and the School of Education. The University believes that adequate preparation for teaching requires a rich and comprehensive experience in general education, a concentration in at least one academic specialization and certain attitudes, knowledge, skills and dispositions which characterize effective teaching.

The role of today's teacher requires persons skilled at making instructional and managerial decisions to meet the individual and group needs of a diverse population. Continuing advances in education technology force a number of instructional choices, and beginning teachers must be prepared to meet these challenges.

Fairmont State University's undergraduate teacher preparation program has adopted the Informed Decision Maker Model, with the aim of preparing teachers to make instructional decisions based upon a strong foundation of knowledge and skill. With greatly expanded knowledge bases, materials, and technology, teacher preparation programs must produce graduates able to make informed choices in providing equitable access to education for our nation's children.

ADMISSION TO TEACHER EDUCATION

Any student may enroll in EDUC 2200, Introduction to Education, or EDUC 2220, Areas of Exceptionality in Special Education. While enrolled in EDUC 2200, teacher candidates will complete a "Declaration of Intent" to the Dean of Teacher Education as the initial step in the application process.

In order to be admitted to teacher education a candidate must have:

- Obtained a score of 18 or above on both the Reading and Composite sections of the ACT (For those taking the SAT the equivalent scores are as follows: Combined Verbal and Math score of 870 or above, and a verbal score of 450 or above)
- Earned passing scores on all three sections of the Pre-Professional Skills Test (PPST)

- Completed EDUC 2200
- Submitted a Declaration of Intent

Students are expected to apply for admission to teacher education while enrolled in EDUC 2200 and will be notified in writing of the decision to admit or not admit. Teacher education candidates are expected to achieve a GPA of at least 2.75 overall in each content area and in professional education courses in order to be admitted to Clinical III/Student Teaching.

BACHELOR OF ARTS IN EDUCATION

The Liberal Studies requirement for FSU teacher education students differs for elementary and middle/adolescent education programs; however, each consists of a minimum of 45 credit hours distributed over humanities, mathematics, natural sciences and physical education and health. The Liberal Studies requirements for elementary education also fulfill selected requirements for the Elementary/K-6 specializations and are included with the Elementary and the Early/Middle Specialization in determining the 2.75 grade point requirement for eligibility for the Clinical III/Student Teaching component of the program.

To meet the requirements for the Bachelor of Arts in Education, the candidate must:

- 1.) earn a minimum of 128 hours' credit in approved subjects, with a quality point average of 2.75 or better for all courses attempted
- 2.) attain a 2.75 average in each teaching specialization and professional education;
- 3.) meet the general and specific requirements set up for the curriculum and teaching specialization(s) elected;
- 4.) achieve acceptable scores on the PPST.

Teaching Curricula

Fairmont State University recommends for professional licensure only those persons who have graduated and have satisfactorily completed a teacher education curriculum approved by the West Virginia Board of Education. The University offers curricula for early, middle and adolescent education leading to the degree of Bachelor of Arts in Education. Students who satisfactorily complete a teaching curriculum in a given area and achieve passing scores on the PPST, PLT, and appropriate content exams will be recommended for a Professional Certificate in one of the following grade areas:

- 1.) K-6
- 2.) K-Adult
- 3.) Pre K-Adult
- 4.) 5-9
- 5.) 5-Adult
- 6.) 9-Adult

Specializations which may be added include Mentally Impaired, Specific Learning Disabilities, Multi-Categorical and various academic subject specializations.

STUDENT TEACHING / CLINICAL III

Student teaching is required in all programs and is evaluated on a basis of Pass, Incomplete, or Fail. Students must maintain at least a C average in the coursework portion of Clinical III (EDUC 3390 or EDUC 3395) in order to be eligible for the student teaching experience. Students must complete student teaching or comparable experience at all developmental levels and in all of the teaching specializations for which they expect to be licensed. At the present time, student teaching experiences are provided in the surrounding public school systems. All such experiences are cooperatively administered by college and public school personnel. Due to the uniqueness of the off-campus student teaching experience, a candidate may be administratively removed if there is cause.

CLINICAL EXPERIENCE

This sequence is required for all teacher education candidates.

Clinical I

This is a one-credit-hour lab that must be completed as a clinical experience in the public school setting. The clinical experience will allow the teacher candidate the opportunity to apply and reflect on his/her content, professional and pedagogical knowledge, skills, and dispositions in a variety of settings.

Clinical II

This requirement consists of two one-credit-hour labs that must be completed as a clinical experience in the public school setting. The clinical experience will allow the teacher candidate the opportunity to apply and reflect on his/her content, professional and pedagogical knowledge, skills and dispositions in a variety of settings. In addition, the teacher candidate will be provided with experiences that allow for immersion in the learning community so that s/he is able to demonstrate proficiency in the professional role for which s/he is preparing.

Clinical III/Student Teaching

In order to enroll in Clinical III/Student Teaching, a teacher candidate must complete the Application to Clinical III packet and meet the below listed requirements for student teaching. The packets are available in the Dean of Teacher Education Office. All liberal studies requirements of the University as well as the minimum requirements of the teaching specialization must be completed before Clinical III/Student Teaching can be scheduled.

In order to enroll in Clinical III/Student Teaching the teacher candidate must:

- Be officially admitted to teacher education
- Complete at least 108 semester hours with a minimum grade point average of 2.75 overall in education foundation and professional education courses, and each teaching specialization. All courses in the teaching specialization which are marked by an asterisk in this catalog must be completed prior to admission to Clinical III/Student Teaching.
- Complete a background check by the Criminal Investigation Bureau of West Virginia State Police and/or the FBI
- Provide evidence of good moral character and professional dispositions as evidenced by positive evaluations from Clinical I and II, faculty, advisors, students, and the community.

PRAXIS II

Successful completion of the appropriate PRAXIS II Specialty Area test(s) and PLT are requirements for licensure. A report of the Specialty Area Test(s) and PLT scores must accompany the application for licensure to the West Virginia Department of Education. If the test scores do not meet the state minimum score, the application must be held pending receipt of acceptable scores. Candidates should keep in mind that a denial of licensure at the time of graduation may subject them to changes in program requirements if they seek licensure later.

Early/Middle Education. Candidates expecting to be licensed for Elementary Education K-6 and an academic specialization must achieve acceptable scores in both areas.

Middle/Adolescent Education. Candidates expecting to be licensed for teaching in grades 5-Adult or 9-Adult must take the Specialty Area Test consistent with the specialization(s) to be named on the license. If they expect to be licensed in two specializations, they must achieve acceptable scores in both specializations.

Pre K-Adult Education. A candidate expecting to be licensed for teaching in grades Pre K-Adult must achieve acceptable scores on the Specialty Area Test consistent with the Pre K-Adult specialization to be named on the license.

In order to identify the appropriate testing dates, times, locations, etc., for any given year, candidates should check the PRAXIS Bulletin for the year in question. Bulletins are available in the office of the Dean of Teacher Education.

UNIVERSITY RECOMMENDATION PREREQUISITE TO CERTIFICATION

University recommendation shall take into consideration Chapter 18A, Section 3, Article 1, of the West Virginia School Law, which reads "A certificate to teach shall not be granted to any person who is not of good moral character and physically and mentally qualified to perform the duties of a teacher, and shall not have attained the age of eighteen years on or before the first day of October of the year in which the certificate is issued. . ."

The issuance of an original certificate shall require:

- 1.) The recommendation of the Dean of Teacher Education, in consultation with the supervisor of student teachers and chairperson of the department offering the student's chosen specialization. This recommendation is expected to reflect, in addition to academic criteria, satisfactory performance on the part of the applicant in a typical classroom situation.
- 2.) An official statement by the Dean of Teacher Education that the approved program has been completed in full.

Programs of Study

ELEMENTARY EDUCATION K-6

Candidates who wish to qualify for teaching in an open or self-contained classroom, grades K-6, shall complete the Liberal Studies Requirements, the Elementary Education Program and Professional Studies courses as outlined below. Subject specializations are NOT required for this degree but students may choose to add them if they wish. Student teaching is required in an approved K-6 classroom, and in an approved classroom for each additional specialization. Some combinations may require more than 12 weeks of student teaching. For specific program requirements and additional specializations, see the section of the catalog for the academic school which offers the program. Ex: for Art Pre K-Adult, see School of Fine Arts.

Teacher candidates who are qualifying for a Professional Certificate, Grades K-6, may wish to add a Special Education Specialization in K-Adult, Library-Media Pre K-Adult, or General Mathematics through Algebra I, 5-9 (Middle School) to their license.

Optional specializations which may be combined with Elementary Education are as follows. See below for requirements.

- 1.) Computer Science (Pre K-Adult)
- 2.) Multi-Categorical (K-Adult)
- 3.) Mentally Impaired (K - Adult)
- 4.) Specific Learning Disabilities (K-Adult)
- 5.) School Library/Media (Pre K-Adult)
- 6.) General Mathematics through Algebra I (5-9)
- 7.) Spanish (Pre K-Adult)

BACHELOR OF ARTS IN EDUCATION:

ELEMENTARY EDUCATION K-6	129 sem. hrs.
I. Liberal Studies Requirements	45 sem. hrs.
II. Elementary Education K-6 Program	51 sem. hrs.
III. Professional Education Courses	33 sem. hrs.

• I. Liberal Studies Requirements..... 45 sem. hrs.

Communication Skills (9 hrs.)

ENGL	1104	Written English I.....	3
ENGL	1108	Written English II.....	3
SPCH	1100	Intro to Speech Communication.....	3

Literature (6 hrs.)

Select one of the following pairs

ENGL	2220	Literature of the Western World I.....	3
ENGL	2221	Literature of the Western World II.....	3
ENGL	2230	Introduction to Literature I, II.....	3
ENGL	2231	Introduction to Literature I, II.....	3

Fine Arts (6 hrs.)

Select one of the following courses

ART	1120	Art Appreciation	3
MUSI	1120	Music Appreciation.....	3
THEA	1120	Theatre Appreciation	3
-and-			

See the Fine Arts section of Chapter 6, "Degree Requirements," for the electives available to fulfill the remaining three hours.

Social Sciences (12 hrs.)

GEOG	2210	Introduction to Geography	3
HIST	1107	United States History I.....	3
HIST	1108	United States History II.....	3
-and-			

Select one

HIST	2211	World Civilizations I.....	3
-or-			
HIST	2212	World Civilizations II.....	3
-or-			
HIST	2213	World Civilizations III.....	3

Mathematics (6 hrs.)

MATH	1110	Math for Elementary Teachers I.....	3
INFO	1100	Computer Concepts	3

Natural Sciences (4 hrs.)

BIOL	1104	Biosphere	4
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Physical Education (2 hrs.)

PHED	3326	Early Psychomotor Development.....	2
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Writing Intensive Course (3 hrs.)

See Chapter 6, "Degree Requirements."

• II. Elementary Education K-6 Program..... 51 sem. hrs.

Courses marked with an asterisk must be completed prior to the Clinical Experience III/Student Teaching.

ART*	3353	Elem. Art Education I.....	2
ART*	3354	Elem. Art Education II	2
HLTA*	1100	Personal Health.....	2
HLTA*	4400	Health Education for the Elem. School.....	2
SFTY*	2200	Accident Analysis and Emer. Care.....	2
ENGL*	3354	Children's Literature	3
MATH*	2210	Math. for Elem. Teachers II.....	3
MATH*	3323	Math. for Elem. Teachers III	3
MUSI*	2231	Elementary Music I.....	3
MUSI*	2232	Elementary Music II.....	3
PHSC*	2201	Exosphere	4
PHSC*	2202	Geosphere	4
PHSC*	4412	Science in the Elem. School.....	3
POLI	2200	Intro. to Political Science	3
ECON	2200	Economics	3
SOCY	1110	Introductory Sociology	3
EDUC*	3330	The Reading Process.....	3
EDUC*	3331	Reading in the Content Area	3

• III. Professional Education..... 33 sem. hrs.

EDUC	2200	Intro. to Education	3
EDUC	2201	Instructional Technology	3
EDUC	2202	Human Growth and Development	3
EDUC	2202L	Laboratory - Clinical I	1
EDUC	3350	Integrated Methods in the Elem. Class.....	3
EDUC	3351	Human Exceptionalities & Cultural Diversity 3	
EDUC	3351L	Laboratory - Clinical II	1
EDUC	3352	Educational Psychology	3
EDUC	3352L	Laboratory - Clinical II	1
EDUC	3390	Elem. Classroom Organization & Practices... 4	
EDUC	4490	Elem. K-6 Student Teaching/Clinical III.....	8

OPTIONAL SPECIAL EDUCATION SPECIALIZATIONS

(for Elementary, K-6 only) 19-25 sem. hrs.

Required Course (all specializations) (3 hrs.)

EDUC 2220 Areas of Exceptionality in Special Ed. 3

Specialized Coursework (choose one group):

A. Mentally Impaired K-Adult 16 sem. hrs.

EDUC 3320 Education of the Mentally Impaired..... 3

EDUC 3321 Diag., Presc. and Assess. Tech. 3

EDUC 3326 Curriculum and Inst.: Core Knowledge
and Skills for Handicapped Learners..... 3

EDUC 4446 Applied Practicum: Mentally Impaired
and/or Learning Disabled 3

EDUC 4470 Student Teaching-M.I. 4

B. Specific Learning Disabilities K-Adult 16 sem. hrs.

EDUC 3317 Specific Learning Disabilities..... 3

EDUC 3321 Diag., Presc. and Assess. Tech. 3

EDUC 3326 Curriculum and Inst.: Core Knowledge
and Skills for Handicapped Learners..... 3

EDUC 4446 Applied Practicum: Mentally Impaired
and/or Learning Disabled 3

EDUC 4471 Student Teaching-SLD 4

C. Multi-Categorical K-Adult 22 sem. hrs.

EDUC 3317 Specific Learning Disabilities..... 3

EDUC 3318 Behavior Disorders 3

EDUC 3320 Mental Impairment..... 3

EDUC 3321 Diagnosis, Prescription, Assessment 3

EDUC 3326 Strategies for Inclusive Teaching..... 3

EDUC 4446 Practicum in Special Education 3

EDUC 4472 Student Teaching: Multi-Categorical 4

D. Subject Specializations Grades 5-9: General Mathematics

Requires Special Methods 4431 in the Grades 5-9 specialization. This course must be taken prior to the semester a student plans to enroll in Clinical III/Student Teaching.

Elementary Education: Recommended Course Sequence

This schedule covers required classes for the major. Students must remember to schedule Liberal Studies Requirements, major electives and free electives as well.

FIRST YEAR		SECOND YEAR	
<i>First Semester</i>	<i>Second Semester</i>	<i>First Semester</i>	<i>Second Semester</i>
HIST 1107	MATH 1110	MATH 2210	MATH 3323
SOCY 1110	HIST 1108	PHSC 2201	PHSC 2202
	HLTH 1100	ECON 2200	EDUC 2201
	SFTY 2200	PHED 2236	EDUC 2202 (+ lab)
	BIOL 1104	EDUC 2200	
THIRD YEAR		FOURTH YEAR	
<i>First Semester</i>	<i>Second Semester</i>	<i>First Semester</i>	<i>Second Semester</i>
HIST 2211	MUSI 2232	HLTH 4400	EDUC 3390
or 2212 or 2213	ART 3354	PHSC 4412	EDUC 4490
MUSI 2231	EDUC 3331	EDUC 3351 (+ lab)	
GEOG 2202	EDUC 3350	EDUC 3352 (+ lab)	
ART 3353	ENGL 3354		
EDUC 3330			
POLI 2200			

PRE K-ADULT

Candidates who wish to qualify for teaching in an open or self-contained classroom, grades 5-Adult, shall complete the following program. Candidates electing a comprehensive field must include the Methods and Materials course for that comprehensive area. If electing to complete two single-subject specializations, Methods and Materials must be completed for both specializations. The student teaching assignments must also include teaching experience at each developmental level to be named on the license.

BACHELOR OF ARTS IN EDUCATION:

PRE K-ADULT EDUCATION

(Hours will vary) 128 minimum

I. Liberal Studies Requirements 45 sem. hrs.

II. Professional Education Courses 33 sem. hrs.

III. Specializations (*hours will vary*)

Choose one of the following options.

- One comprehensive specialization to teach in grades 5-Adult or 9-Adult the related subjects which comprise the comprehensive specialization.
- Two single-subject specializations for grades 5-Adult
- One single-subject specialization for grades 5-Adult or 9-Adult and one specialization for grades 5-9
- One single specialization for grades 5-Adult or 9-Adult and specialization in either Computer Science Education, Physical Education, School Library-Media, or Spanish Pre K-Adult.

• I. Liberal Studies Requirements..... 45 sem. hrs.

Communication Skills (9 hrs.)

ENGL 1104 Written English I..... 3

ENGL 1108 Written English II..... 3

SPCH 1100 Intro to Speech Communication..... 3

Literature (6 hrs.)

Select one of the following pairs

ENGL 2220 Literature of the Western World I 3

ENGL 2221 Literature of the Western World II..... 3

ENGL 2230 Introduction to Literature I, II..... 3

ENGL 2231 Introduction to Literature I, II..... 3

Fine Arts (6 hrs)

Select one of the following courses

ART 1120 Art Appreciation 3

MUSI 1120 Music Appreciation..... 3

THEA 1120 Theatre Appreciation..... 3

-and-

See the Fine Arts section of Chapter 6, "Degree Requirements," for the electives available to fulfill the remaining three hours.

<i>Social Sciences (12 hrs.)</i>			
GEOG	2210	Introduction to Geography	3
HIST	1107	United States History I	3
HIST	1108	United States History II	3

Select one:

HIST	2211	World Civilizations I	3
-or-			
HIST	2212	World Civilizations II	3
-or-			
HIST	2213	World Civilizations III	3

Mathematics (6 hrs.)

MATH	1110	Math for Elementary Teachers I	3
INFO	1100	Computer Concepts	3

Natural Sciences (4 hrs.)

BIOL	1104	Biosphere	4
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Physical Education (2 hrs.)

PHED	3326	Early Psychomotor Development	2
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Writing Intensive Course (3 hrs.)

See Chapter 6, "Degree Requirements."

• **II. Professional Education** 33 sem. hrs.

EDUC	2200	Intro. to Education	3
EDUC	2201	Instructional Technology	3
EDUC	2202	Human Growth and Development	3
EDUC	2202L	Laboratory - Clinical I	1
EDUC	3331	Reading in the Content Areas	3
EDUC	3351	Human Exceptionalities & Cultural Diversity	3
EDUC	3351L	Laboratory - Clinical II	1
EDUC	3352	Educational Psychology	3
EDUC	3352L	Laboratory - Clinical II	1
EDUC	3395	Second. Classroom Org. & Practices	4
EDUC	4495	Second./Pre-K-Adult Stud.Teach./Clinical III	8

• **III. Specializations**

For course requirements in each specialization, refer to the chapter for the desired subject (ex: for Business Education, see Chapter 9, the School of Business). Secondary special methods and student teaching are required in all areas in order to be licensed. Secondary and Pre K-Adult specializations are also available via the Master of Arts in Teaching program.

1.) 5-Adult Comprehensive Specializations

(no other specialization required)

Business Education
Consumer and Homemaking Education
Mathematics
Social Studies
Technology Education

2.) 5-Adult or 9-Adult Single Specializations

(requires a second specialization for 5-Adult, 9-Adult, Pre K-Adult, or 5-9)

Art
Biology (9-Adult)
Chemistry (9-Adult)
English
French
General Science
Health
Journalism

Oral Communications
Physics (9-Adult)
Technology Education

3.) 5-9 Specializations

(requires second specialization for 5-Adult, 9-Adult, or Pre K-Adult)
General Mathematics through Algebra I

4.) Other Specializations

(requires second specialization for 5-9, 9-Adult, 5-Adult, or Pre K-Adult)

Art
Computer Science Education
Music
Physical Education
School Library/Media
Spanish

*The School Library-Media Pre Computer Science Education and Spanish K-Adult program may be selected in combination with a specialization for classroom teaching in grades 5-Adult, 9-Adult, Pre K-Adult, or Elementary K-6.

ART AND MUSIC

Each teacher candidate who is qualifying for teaching of Art or Music, grades Pre K through Adult shall complete the following program. It is the responsibility of candidates for a degree to know and meet the general requirements of the University and the specific requirements of the chosen curriculum. It is the candidate's responsibility also to keep informed of his/her grade point standing. All of this information may be obtained from the student's advisor or the Dean of Teacher Education.

For description of Liberal Studies Requirements and Professional Education Courses, see "Elementary Education" section above. For Art or Music Courses, see Chapter 11, School of Fine Arts.

BACHELOR OF ARTS IN EDUCATION:

TEACHING FIELD IN ART	128-142 sem. hrs.
Liberal Studies Requirements	45 sem. hrs.
Professional Education Courses	33 sem. hrs.
Art Courses	44-61 sem. hrs.

BACHELOR OF ARTS IN EDUCATION:

TEACHING FIELD IN MUSIC	143 sem. hrs.
Liberal Studies Requirements	45 sem. hrs.
Professional Education Courses	33 sem. hrs.
Music Courses	66 sem. hrs.

Other Programs of Study Available from the School of Education

Students interested in the Bachelor of Science degrees listed here must fulfill the Liberal Studies Requirements as outlined in Chapter 6, "Degree Requirements." Students interested in the Bachelor of Arts in Education programs must fulfill the Liberal Studies Requirements as outlined in this chapter.

LIBRARY SCIENCE

The library science program is designed for students who desire a minor that will prepare them for positions in public, academic, and special libraries, and students who are interested in preparing for graduate study in librarianship. Other students, regardless of subject interest, can profitably elect courses from Library Science offerings.

Persons holding the Bachelor of Arts or Bachelor of Science degree with a minor in library science are prepared for employment in academic, public, or special libraries at the associate level. The library associate performs pre-professional tasks that require maturity of judgement, an appreciation of the philosophy of library service and the ability to respond to the needs of people using the library. This minor also provides the prerequisite requirements of many American Library Association accredited schools.

MINOR IN LIBRARY SCIENCE 18 sem. hrs.

Required Courses (18 hrs.)

LIBS	1105	Introduction to Library Science	3
LIBS	2200	Reference and Bibliography	3
LIBS	2209	Library Materials for Children	3
-or-			
LIBS	2210	Library Materials for Adolescents.....	3
-or-			
ENGL	3354	Children's Literature.....	3
LIBS	3302	Cataloging and Classification	3
-or-			
LIBS	3303	Technologies and the Library.....	3
LIBS	3304	Organization and Administration	3
LIBS	4400	Library Practice	3

TEACHING FIELD AS LIBRARY MEDIA

SPECIALIST: PRE K-ADULT 24 sem. hrs.

The purpose of this program is to prepare students for certification in elementary and secondary school librarianship. This teaching field (Pre K-Adult) must be selected in combination with a specialization for classroom teaching. Library Science 4400 is taken as part of the Initial Performance Practicum. All other courses must be completed before admission to the Initial Performance Practicum.

Note: All courses are available in a WebCT format for accelerated students at the undergraduate levels. Interested persons should contact the School Library Media Program Coordinator or visit www.fairmontstate.edu/library/lis/index/shtu

Required Courses (24 hrs.)

LIBS	1105	Introduction to Library Science	3
LIBS	2200	Reference and Bibliography	3
LIBS	2209	Library Materials for Children	3
-or-			
LIBS	2210	Library Materials for Adolescents.....	3
LIBS	3302	Cataloging and Classification	3
LIBS	3303	Technologies and the Library.....	3
LIBS	3304	Organization and Administration	3
LIBS	3305	Library in the Educational Process	3
LIBS	4400	Library Practice	3

HEALTH SCIENCE

The School of Education/Health and Human Performance offers a Bachelor of Science in Health Science and also a minor for students interested in pursuing a career in this area.

See Chapter 6, "Degree Requirements," for further description of Liberal Studies Requirements for the BS degree.

BACHELOR OF SCIENCE IN

HEALTH SCIENCE 128 sem. hrs.

Health Science Curriculum (see below)..... 53 sem. hrs.

Liberal Studies Requirements (see Chp. 6)..... 44 sem. hrs.

Free Electives..... 31 sem. hrs.

• Health Science Curriculum..... 53 sem. hrs.

Required Courses (53 hrs.)

HLTA	1150	Introduction to Health	3
HLTA	2202	Community & Environmental Health	3
HLTA	3370	Contemporary & Drug Behavior Issues.....	3
HLTA	4410	Seminar in Public Health Education.....	3
HLTA	4415	Human Sexuality	3
HLTA	4450	Field Practicum in Public Health	4
BUSN	3310	Statistics.....	3
CHEM	1101	General Chemistry I	4
CHEM	1102	General Chemistry II	4
EMMS	1101	Techniques of Emergency Medical Services ...	7
INFO	1100	Computer Concepts and Applications.....	3
PHED	2211	Anatomy and Physiology	4
PSYC	2230	Social Psychology	3
PSYC	2250	Community Psychology	3
SOCY	2200	Social Problems.....	3

Health Science Major: Recommended Course Sequence

This schedule covers required classes for the major. Students must remember to schedule Liberal Studies Requirements (see Chp. 6), major electives and free electives as well.

FIRST YEAR		SECOND YEAR	
First Semester	Second Semester	First Semester	Second Semester
HLTA 1150	SOCY 1110	PHED 2211	CHEM 1101
SCIE 1199	HLTA 2202	HLTA 3370	FOSM 1100
PHED 1100		PSYC 1101	PSYC 2230
			SOCY 2200
THIRD YEAR		FOURTH YEAR	
First Semester	Second Semester	First Semester	Second Semester
CHEM 1102	HLTA 4415	HLTA 4410	HLTA 4450
PSYC 2250		BUSN 3310	

MINOR IN HEALTH SCIENCE 19 sem. hrs.**Required Courses (19 hrs.)**

HLTA	1150	Introduction to Health	3
HLTA	2202	Community and Environmental Health	3
HLTA	3370	Contemporary and Drug Behavior Issues.....	3
HLTA	4410	Seminar in Public Health Education	3
HLTA	4415	Human Sexuality	3
HLTA	4450	Field Practicum in Public Health	4

HEALTH EDUCATION

The Bachelor of Arts in Education degree offers a subject specialization in Health Education, grades 5-Adult. Teacher candidates must meet all requirements for entry into the teacher education program and achieve a 2.75 GPA in the health education coursework prior to student teaching. See the beginning of this chapter for further information on Liberal Studies Requirements for the BA in Education.

**BACHELOR OF ARTS IN EDUCATION:
HEALTH EDUCATION 5-ADULT**

TEACHING FIELD	128 sem. hrs.
Health Education Curriculum (<i>see below</i>)	32 sem. hrs.
Liberal Studies Requirements	45 sem. hrs.
Professional Education Courses	33 sem. hrs.
Free Electives.....	19 sem. hrs.

Health Education Curriculum 32 sem. hrs.**Required Courses (32 hrs.)**

HLTA	1150	Introduction to Health	3
HLTA	2200	Foundations of Health Education	2
HLTA	2202	Community & Environmental Health	3
HLTA	3310	School Health and Safety.....	3
HLTA	3325	Organizational and Planning Strategies in Health Education.....	3
HLTA	3370	Contemporary and Drug Behavior Issues.....	3
HLTA	4410	Seminar in Public Health Education.....	3
HLTA	4415	Human Sexuality	3
PHED	2211	Anatomy and Physiology	4
PHED	4431	Methods and Materials in Teaching Health and Physical Education.....	3
SFTY	2200	Accident Analysis & Emergency Care.....	2

Health Education Major: Recommended Course Sequence

This schedule covers required classes for the major. Students must remember to schedule Liberal Studies Requirements, major electives and free electives as well.

FIRST YEAR		SECOND YEAR	
<i>First Semester</i>	<i>Second Semester</i>	<i>First Semester</i>	<i>Second Semester</i>
HLTA 1150	PHED 1100	PHED 2211	EDUC 2201
SCIE 1199	HLTA 2200	EDUC 2200	HLTA 3310
		SFTY 2200	
		HLTA 2202	
THIRD YEAR		FOURTH YEAR	
<i>First Semester</i>	<i>Second Semester</i>	<i>First Semester</i>	<i>Second Semester</i>
HLTA 2235	HLTA 4415	HLTA 4410	EDUC 4495
HLTA 2270	EDUC 3331	PHED 4431	
EDUC 2202 (+ lab)		EDUC 3351 (+ lab)	
		EDUC 3352 (+ lab)	

EXERCISE SCIENCE

A Bachelor of Science degree and minor are offered in Exercise Science for students interested in pursuing careers outside teaching.

The Exercise Science major integrates the theories and practicalities of exercise physiology in preparing graduates for a career in this field. This is achieved through an understanding of the science of human movement and physiology, coupled with essential hands-on experiences that culminate in an internship in a health/fitness facility. Graduates of this major are prepared to pursue careers in athletics programs, exercise/fitness centers, hospital wellness programs, corporate fitness programs, rehabilitation centers, and allied health areas. Additionally, the program prepares students for advanced study in related fields such as exercise physiology, physical therapy, occupational therapy, etc. Students also have the opportunity to actively participate in faculty research projects, thus expanding their professional knowledge and abilities.

See Chapter 6, "Degree Requirements," for further description of Liberal Studies Requirements for the BS degree.

BACHELOR OF SCIENCE IN**EXERCISE SCIENCE..... 128 sem. hrs.**

Exercise Science Curriculum (<i>see below</i>)	43 sem. hrs.
Liberal Studies Requirements (<i>see Chp. 6</i>)	44 sem. hrs.
Free Electives	41 sem. hrs.

• Exercise Science Curriculum 43 sem. hrs.**Required Courses (43 hrs.)**

PHED	1100	Fitness & Wellness	2
PHED	1121	Intro. Sem. in Human Movement	2
PHED	2211	Anatomy and Physiology	4
PHED	2212	Physiology of Exercise	3
PHED	3313	Biomechanics	3
PHED	3316	Fitness Assessment & Exercise Prescription... 3	
PHED	3318	Sports Social Psychology.....	2
PHED	3320	Lifespan Motor Development	3
PHED	4400	Research Methods	3
PHED	4410	Research Design Seminar	3
PHED	4420	Exercise Science Internship.....	3
HLTA	1150	Introduction to Health	3
FOSM	1110	Nutrition.....	3
SFTY	2200	Accident Analysis & Emergency Care.....	2
CHEM	1101	General Chemistry I	4

Exercise Science Major: Recommended Course Sequence

This schedule covers required classes for the major. Students must remember to schedule Liberal Studies Requirements (see Chp. 6), major electives and free electives as well.

FIRST YEAR		SECOND YEAR	
<i>First Semester</i>	<i>Second Semester</i>	<i>First Semester</i>	<i>Second Semester</i>
HLTA 1150	SOCY 1110	PHED 2211	PHED 3313
SCIE 1199		CHEM 1101	FOSM 1100
PHED 1100		PSYC 1101	
PHED 1121		SFTY 2200	
THIRD YEAR		FOURTH YEAR	
<i>First Semester</i>	<i>Second Semester</i>	<i>First Semester</i>	<i>Second Semester</i>
PHED 2212	PHED 3316	PHED 4400	PHED 4410
	PHED 3318		PHED 4420
	PHED 3320		

MINOR IN EXERCISE SCIENCE 20 sem. hrs.
Required Courses (20 hrs.)

PHED	1121	Introduction to Human Movement.....	2
PHED	2211	Anatomy & Physiology	4
PHED	2212	Physiology of Exercise	3
PHED	3313	Biomechanics	3
PHED	3316	Fitness Assessment.....	3
PHED	3318	Sport Social Psychology.....	2
PHED	4400	Research Methodology.....	3

PHYSICAL EDUCATION

The Bachelor of Arts in Education degree offers a subject specialization in Physical Education, grades Pre K-Adult. The Physical Education Program is designed to stimulate the development of competencies in the application, analysis and syntheses of concepts related to effective performance of sport and human movement activities. Teacher candidates must meet all requirements for entry into the teacher education program and achieve a 2.75 GPA in the physical education coursework prior to student teaching.

See the beginning of this chapter for further information on Liberal Studies Requirements for the BA in Education.

BACHELOR OF ARTS IN EDUCATION: TEACHING FIELD IN PHYSICAL EDUCATION SUBJECT SPECIALIZATION

PRE K-ADULT	43 sem. hrs.
Physical Education Curriculum (<i>see below</i>).....	43 sem. hrs.
Liberal Studies Requirements	45 sem. hrs.
Professional Education Courses.....	33 sem. hrs.
Free Electives.....	8 sem. hrs.

• **Physical Education Curriculum**..... 43 sem. hrs.
Required Courses (43 hrs.)

PHED	1121	Intro. Sem. in Human Movement	2
PHED	2211	Anatomy and Physiology	4
PHED	2212	Physiology of Exercise	3
PHED	2223	Evaluation of Instruction in Sport	2
PHED	2232	Basic Aquatics.....	2
-or-			
PHED	2233	Advanced Aquatics-Lifeguarding.....	2
PHED	2234	Individual and Dual Sports I.....	2
PHED	2235	Team Sports I.....	2
PHED	2236	Team Sports II	2
PHED	2239	Individual and Dual Sports II	2
PHED	2240	Outdoor Leisure Activities	2
PHED	3313	Biomechanics	3
PHED	3318	Sport Social Psychology	2
PHED	3323	Early Psychomotor Curriculum	3
PHED	3325	Psychomotor Analysis Lab.....	3
PHED	3343	Adapted Physical Education Activities.....	2
PHED	2241	Gymnastics and Dance	2
-or-			
RECR	1146	Folk and Square Dance	2
PHED	4431	Methods and Materials in Teaching Health and Physical Education.....	3

RECREATIONAL LEADERSHIP (MINOR ONLY)

The curriculum of this minor provides a foundation of recreation philosophy, principles and objectives. Field experiences, which are designed to provide practical experience in a variety of recreational settings with various clientele, are included. Elective classes in sport coaching, outdoor recreation, and aquatic activities are provided.

MINOR IN RECREATIONAL LEADERSHIP

 25 sem. hrs.

Required Courses (21 hrs.)

PHED	2234	Individual and Dual Sports I.....	2
RECR	1141	Introduction to Recreation	3
RECR	1143	Outdoor Recreation.....	3
RECR	1144	Group Leadership	3
RECR	1145	Program Planning and Organization.....	3
RECR	1146	Folk and Square Dance	2
RECR	3301	Day Camp Administration (Summer Sessions Only)	3
SFTY	2200	Accident Analysis & Emergency Care.....	2

Electives (4 hrs.)

Choose one course from each group.

Group I

PHED	2232	Basic Aquatics.....	2
PHED	2233	Advanced Aquatics-Lifeguarding.....	2
PHED	3381	Water Safety Instructors	2

Group II

PHED	2235	Team Sports I.....	2
PHED	2236	Team Sports II	2

FAMILY AND CONSUMER SCIENCES

Family and Consumer Sciences is the study of interrelated areas which prepare individuals for various professional careers. The B.S. in Family and Consumer Sciences, as well as the B.A. in Education, are degrees granted from programs which include the arts and the sciences. The programs focus on improving the quality of life for the individual and for the family. A broad-based curriculum addresses the needs of individuals and families through education in the areas of clothing and textiles, human development and the family, foods and nutrition, management in the family and consumer economics, housing, and home furnishings. Family and Consumer Sciences provides a strong interdisciplinary base to prepare individuals and families to meet the challenges of contemporary society.

Careers available for graduates of this program include human services in the community, in business (private and public), in extension, and in government. It also serves as a background degree for a student who desires to do graduate work and become a specialist in child development, foods and nutrition, consumerism and management, clothing and textiles, or housing and design.

See Chapter 6, "Degree Requirements," for further description of Liberal Studies Requirements for the BS degree.

BACHELOR OF SCIENCE IN FAMILY**& CONSUMER SCIENCES** 128 sem. hrs.

Family & Consumer Sciences

Curriculum (*see below*) 48 sem. hrs.Liberal Studies Requirements (*see Chp. 6*) 45 sem. hrs.

Free Electives 35 sem. hrs.

• **Family & Consumer Sciences Curriculum** 128 sem. hrs.*Required Courses (48 hrs.)*

APPD 1101 Principles of Clothing Construction 3

APPD 1103 Clothing and Culture 3

APPD 2210 Textiles 3

APPD 2250 Design in Home Furnishings 3

EC 2240 Introduction to Infant and

Toddler Development 3

FACS 3310 Family Life Education 3

FACS 3312 Consumer Economics 3

FACS 3315 Management in the Family 3

FACS 3318 Management Problems in the Family 2

FACS 3320 Housing in Society 3

FACS 3330 Introduction to Pre-schooler Development ... 3

FACS 3331 Adolescent Development 3

FACS 4400 Senior Seminar I 1

FACS 4401 Senior Seminar II 1

FOSM 1110 Nutrition 3

FOSM 2201 Principles of Food Selection and Preparation 3

FOSM 2203 Principles of Food Selection & Prep. Lab 1

FOSM 2202 Principles of Quantity Food Production 3

FOSM 2204 Principles of Quantity Food Production Lab.. 1

*Electives (35 hrs.)***Family & Consumer Sciences Major: Recommended Course Sequence**

This schedule covers required classes for the major. Students must remember to schedule Liberal Studies Requirements, major electives and free electives as well.

FIRST YEAR		SECOND YEAR	
<i>First Semester</i>	<i>Second Semester</i>	<i>First Semester</i>	<i>Second Semester</i>
APPD 1103	APPD 1101	FOSM 2201	FOSM 2202
	APPD 2210	FOSM 2203	FOSM 2204
		EC 2240	APPD 2250
THIRD YEAR		FOURTH YEAR	
<i>First Semester</i>	<i>Second Semester</i>	<i>First Semester</i>	<i>Second Semester</i>
FOSM 1110	FACS 3318	FACS 3310	FACS 3312
FACS 3315	FACS 3330	FACS 3320	FACS 3331
		FACS 4400	FACS 4401

• **Child Development Specialization** 24 sem. hrs.*Required Courses (24 hrs.)*

FACS 3315 Management in the Family 3

FACS 3335 Parenting 3

FACS 3383 Social & Emotional Dev. of Children 3

FACS 4400 Senior Seminar I 1

FACS 4401 Senior Seminar II 1

FACS 4492 Child Development Internship 4

FACS Core Electives 9

MINOR IN FAMILY AND**CONSUMER SCIENCES** 22 sem. hrs.*Required Courses (22 hrs.)*

APPD 1103 Clothing and Culture 3

FACS 3310 Family Life Education 3

FACS 3312 Consumer Economics 3

FACS 3320 Housing in Society 3

FACS 3330 Introduction to Pre-schooler Development ... 3

FOSM 1110 Nutrition 3

FOSM 2201 Principles of Food Selection and Prep. 3

FOSM 2203 Principles of Food Selection & Prep. Lab 1

BACHELOR OF ARTS IN EDUCATION:**COMPREHENSIVE FAMILY & CONSUMER SERVICES****GRADES 5-ADULT** 128 sem. hrs.

Family & Consumer Education

Curriculum (*see below*) 51 sem. hrs.

Liberal Studies Requirements 45 sem. hrs.

Professional Education Courses 32 sem. hrs.

• **Family & Consumer Services Curriculum** 51 sem. hrs.*Required Courses (51 hrs.)*

APPD 1101 Principles of Clothing Construction 3

APPD 1103 Clothing and Culture 3

APPD 2210 Textiles 3

APPD 2250 Design in Home Furnishings 3

EC 2240 Intro. to Infant and Toddler Development 3

FACS 3310 Family Life Education 3

FACS 3312 Consumer Economics 3

FACS 3315 Management in the Family 3

FACS 3318 Management Problems in the Family 2

FACS 3320 Housing in Society 3

FACS 3331 Adolescent Development 3

FACS 3332 Child Development Problems 3

FACS 4400 Senior Seminar I 1

FACS 4401 Senior Seminar II 1

FACS 4431 Methods and Materials in Teaching

Family and Consumer Sciences 3

FOSM 1110 Nutrition 3

FOSM 2201 Principles of Food Selection and Preparation 3

FOSM 2203 Principles of Food Selection & Prep. Lab 1

FOSM 2202 Principles of Quantity Food Production 3

FOSM 2204 Principles of Quantity Food Production Lab.. 1

MINOR IN EDUCATION*Minor for B.S., B.A. Degree*

The School of Education/Health and Human Performance offers a minor for interested bachelor's degree students. It is a valuable option for students who have an interest in teaching in their major field (e.g. math, biology, etc.) in the future but do not wish to pursue teacher certification at this time. Students can complete their major with an education minor during the normal four-year sequence and then return to complete the requirements for becoming licensed to teach in their respective field(s).

Teacher candidates are advised to complete the appropriate Special Methods course in addition to the minor if available, (e.g., Math 4431 for a Math major, ENGL 4431 for an English major, etc.). All course prerequisites, including formal admission to teacher education, are required for the minor. Interested stu-

dents should contact the Dean of Teacher Education, who serves as the advisor for the minor.

- **Minor in Education** 21 sem. hrs.
Required Courses (21 hrs.)
 - EDUC 2200 Introduction to Education 3
 - EDUC 2201 Instructional Technology 3
 - EDUC 2202 Human Growth and Development 3
 - EDUC 2202L Laboratory - Clinical I 1
 - EDUC 3331 Reading in the Content Areas 3
 - EDUC 3351 Human Exceptionalities & Cultural Diversity 3
 - EDUC 3351L Laboratory - Clinical II 1
 - EDUC 3352 Educational Psychology 3
 - EDUC 3352L Laboratory - Clinical II 1

Additional Programs

SPORT COACHING

This sequence of courses in Sport Coaching is designed to meet the need in the secondary schools for qualified athletic coaches. It is NOT a B.S. major or minor program, nor is it a separate certificate teaching degree program.

- **Course Requirements**..... 15 sem. hrs.
 - PHED 3355 Scientific Foundations of Sport Coaching 4
 - 3356 Administration & Coaching of Sport 3
 - PHED 3357 Medical/Legal Aspects of Sport Coaching..... 2
 - PHED 3358 Techniques of Sport Coaching 6

SCHOOL NURSE PROGRAM - NURSING AND ALLIED HEALTH

The School Nurse program is open to students who currently possess RN licensure (Bachelor's Degree) or plan to earn it. This option licenses interested parties to serve as a school nurse in a Pre K-Adult setting. Interested persons should contact the Dean of the School of Education or Dean of the School of Nursing and Allied Health. The requirements are as follows.

- 1.) Licensure as a Registered Nurse (Bachelor's Degree)
- 2.) EDUC 2200 - Introduction to Education
- 3.) Acceptable scores on the PPST Reading, Writing and Mathematics tests
- 4.) Public school practicum

School of Fine Arts

■ Peter Lach, Dean, School of Fine Arts
304 Wallman Hall / (304) 367-4219
plach@fairmontstate.edu

FACULTY

BENNETT, MARY LYNNE (2003)
Assistant Professor of Music

BOGGESE, JENNIFER H. (2002)
Associate Professor of Art

BOGGESE, LYNN H. (1990)
Professor of Art

HUFFMAN, VALARIE A. (2003)
Director of Bands
Assistant Professor of Music

JOHNSON, STEPHEN S. (2000)
Associate Professor of Music

KIRK, FRANCENE (2000)
Assistant Professor of Speech

LACH, PETER (2002)
Dean of Fine Arts
Professor of Theatre

MILD, ROBERT (1988)
Professor of Speech Communication

O'CONNOR, JOHN E. (1998)
Professor of Theatre

PATTERSON, ANNE L. (2004)
Provost and Vice President for Academic Affairs
Professor of Music

POLAND, JEFFREY (1988)
Professor of Music

SCHOOLEY, JOHN H. (1970)
Professor of Music

SMIGOCKI, STEPHEN (1972)
Professor of Art

SNYDER, R. BARRY (1967)
Professor of Art

SNYDER, TROY (2005)
Assistant professor of Theatre

TABLE OF CONTENTS

1. Art	86
2. Graphics / Fine Arts.....	87
3. Music	88
4. Speech Communication & Theatre	89



All programs in Art, Music, and Speech Communication and Theatre have a strong performance orientation. Students earning a major in these areas of study must periodically demonstrate, through public performance, mastery of concepts and content studied.

ART

The Fairmont State University Department of Art provides a program of study for the preparation of teachers in the visual arts, leading to the B.A. degree in Education, a 2 + 2 program leading to a B.S. degree in a Graphics/Fine Arts program, and a minor in a non-teaching degree. The art curriculum and activities are designed to provide the highest level of professional education for the art teacher, the creative artist and the scholar of the arts, and to play a major role in the cultural life of the college campus and the community. Courses marked with an asterisk must be completed before admission to the Initial Performance Practicum.

See Chapter 6, "Degree Requirements," for further description of Liberal Studies Requirements. Teacher Education students should refer to the School of Education in Chapter 10.

BACHELOR OF ARTS IN EDUCATION: TEACHING FIELD IN ART GRADES

PRE K-ADULT 139 sem. hrs.
 Art Curriculum (*see below*) 61 sem. hrs.
 Liberal Studies Requirements (*see Chp. 10*) 45 sem. hrs.
 Professional Education Courses 33 sem. hrs.

• Art Curriculum 61 sem. hrs. *Required Courses (55 hrs.)*

ART*	1140	Art Structure and Applied Design	3
ART*	1141	Art Structure and Applied Design	3
ART*	1142	Drawing	3
ART*	2241	Drawing from Life	3
ART*	2261	Painting	3
ART	2262	Painting	3
ART*	2278	Art History from Prehistory to 1450	3
ART*	2280	Art History from 1450 to 1750	3
ART	2283	Modeling and Sculpture	3
ART	2284	Modeling and Sculpture	3
ART	3341	Printmaking	3
ART	3355	Problems in Teaching Art I	2
ART	3356	Problems in Teaching Art II	2
ART	3363	Beginning Watercolor Painting	3
ART*	3378	Art History from 1750 to 1950	3
ART*	3380	Art History Since 1950	3
ART	3383	Pottery	3
ART	3384	Pottery	3
ART*	4431	Methods and Materials in Teaching Art	3
ART	4470	Senior Exhibit	1

Electives (6 hrs.)

ART	3361	Painting the Landscape	3
ART	3362	Painting the Figure	3
ART	3364	Intermediate Watercolor Painting	3
ART	4461	Advanced Landscape Painting	3
ART	4462	Advanced Figure Painting	3
ART	4463	Studio in Painting	3
ART	4464	Studio in Pottery	3
ART	4465	Studio in Sculpture	3
ART	4467	Area Studies in Drawing & Painting	1-4
ART	4468	Area Studies	1-4
ART	4469	Area Studies	1-4

• Professional Education 33 sem. hrs.

EDUC	2200	Intro. to Education	3
EDUC	2201	Instructional Technology	3
EDUC	2202	Human Growth and Development	3
EDUC	2202L	Laboratory - Clinical I	1
EDUC	3331	Reading in the Content Areas	3
EDUC	3351	Human Exceptionalities & Cultural Diversity	3
EDUC	3351L	Laboratory - Clinical II	1
EDUC	3352	Educational Psychology	3
EDUC	3352L	Laboratory - Clinical II	1
EDUC	3395	Second. Classroom Org. & Practices	4
EDUC	4495	Secondary Student Teaching/Clinical III	8

BACHELOR OF ARTS IN EDUCATION: TEACHING FIELD IN ART

GRADES 5-ADULT 128 sem. hrs.
 Art Curriculum (*see below*) 44 sem. hrs.
 Liberal Studies Requirements (*see Chp. 10*) 45 sem. hrs.
 Professional Education Courses 33 sem. hrs.
 Free Electives 6 sem. hrs.

• Art Curriculum 44 sem. hrs. *Required Courses (44 hrs.)*

ART*	1140	Art Structure and Applied Design	3
ART*	1141	Art Structure and Applied Design	3
ART*	1142	Drawing	3
ART	2241	Drawing from Life	3
ART*	2261	Painting	3
ART	2278	Art History from Prehistoric to 1450	3
ART	2280	Art History from 1450 to 1750	3
ART	2283	Modeling and Sculpture	3
ART	3341	Printmaking	3
ART	3356	Problems in Teaching Art II	2
ART	3363	Beginning Watercolor Painting	3
ART	3378	Art History from 1750 to 1950	3
ART	3380	Art History Since 1950	3
ART	3383	Pottery	3
ART*	4431	Methods and Materials in Teaching Art	3
ART	4470	Senior Exhibit	1

• Professional Education 33 sem. hrs.

EDUC	2200	Intro. to Education	3
EDUC	2201	Instructional Technology	3
EDUC	2202	Human Growth and Development	3
EDUC	2202L	Laboratory - Clinical I	1
EDUC	3331	Reading in the Content Areas	3
EDUC	3351	Human Exceptionalities and Cultural Diversity	3
EDUC	3351L	Laboratory - Clinical II	1
EDUC	3352	Educational Psychology	3
EDUC	3352L	Laboratory - Clinical II	1
EDUC	3395	Second. Classroom Org. & Practices	4
EDUC	4495	Secondary Student Teaching/Clinical III	8

MINOR IN ART 24 sem. hrs.

History of Art Courses (6 hrs.)

Choose six hours of art courses.

Studio Work Courses (18 hrs.)

Choose 18 hours of studio work courses.

GRAPHICS/FINE ARTS

This is a 2+2 program, in which successful completion of the associate degree in Graphics Technology (see FSC&TC catalog for description), with a specialization in Commercial Design, constitutes the first two years of this bachelor's degree program. It is designed to provide training and skills beyond the associate degree level for the graphic artist, layout artist, illustrator, advertising designer, and for those positions in the printing industry that combine the skills of graphic designer and artist. Fairmont State students will also be skilled enough to compete with graduates of most colleges for graduate studies in graphic art or studio art.

See Chapter 6, "Degree Requirements," for further description of Liberal Studies Requirements.

BACHELOR OF ARTS IN GRAPHICS/FINE ARTS 137 sem. hrs.

Graphics/Fine Art Curriculum (*see below*) 81 sem. hrs.
 Liberal Studies Requirements (*see Chp. 6*) 56 sem. hrs.

• **Graphics/Fine Arts Curriculum** 81 sem. hrs.

Required Courses (72 hrs.)

ART	1140	Art Structure and Applied Design	3
ART	1141	Art Structure and Applied Design	3
ART	1142	Drawing	3
ART	1199	Special Topics in Art	3
ART	2241	Drawing from Life	3
ART	2261	Painting	3
ART	2283	Modeling and Sculpture	3
ART	3341	Printmaking	3
ART	3363	Beginning Watercolor Painting	3
ART	3378	Art from 1750 to 1950	3
ART	3380	Art History Since 1950	3
ART	4467	Area Studies in Drawing & Painting	3
ART	4468	Area Studies	2
DRFT	1100	Engineering Graphics	3
ENGL	1109	Technical Report Writing	3
GRAP	1100	Graphic Communications Processes	3
GRAP	2200	Introduction to Desktop Publishing	3
GRAP	2210	Graphics-Methods and Materials	3
GRAP	2225	Basic Photography	3
GRAP	2230	Layout and Design	3
GRAP	2250	Graphics Practicum	4
JOUR	2240	Reporting	3
JOUR	3312	The Publication Process	3
OFAD	1100	Microcomputer Keyboarding	3

Electives (9 hrs.)

GRAP	1150	Computer Applications to Graphics	3
GRAP	2235	Layout and Design II	3
GRAP	2255	Advanced Image Transfer	3
GRAP	2265	Estimating & Cost Analysis	3
GRAP	2270	Screen Printing Techniques	3
GRAP	2280	Electronic Publishing	3
GRAP	3310	Advanced Photography	3
GRAP	4410	Special Topics-Graphics	3

MUSIC

The Music Department offers a minor in music for the Bachelor of Arts Degree and a Comprehensive (Pre K-Adult) Music major under the Bachelor of Arts in Education Degree. The degree programs are organized to provide a thorough background for a music teaching or a professional career. Major applied areas are offered in vocal, instrumental (strings, woodwinds, brass and percussion), piano, and organ. See the Music Department Handbook for requirements of concert and recital attendance, applied levels, piano proficiency, ensemble participation, sophomore evaluation policy, senior recital procedure, instrument checkout policy, and model schedules.

The department provides excellent musical instruction for its students through a highly qualified professional staff of performing and teaching professors, a constantly improving and varied curriculum, and a series of sequential musical experiences and studies in all music degree programs. The department believes in exposing music students to many new and innovative educational and musical ideas as well as emphasizing the musical heritage of the past. Departmental organizations such as band, orchestra, choir, ensembles, stage band, and soloists participate regularly in productions, concerts, and activities of the college and have toured in West Virginia, the United States, and Europe.

Opportunities are provided for music students to attend numerous recitals, productions and other musical events on and off campus. Several professional and fraternal organizations are sponsored by the department, including a student chapter of MENC, ACDA, Kappa Kappa Psi, and Sigma Alpha Iota, a professional sorority for music students.

The Music Department is housed in Wallman Hall. It is well-equipped with musical instruments and materials, and its facilities include an electronic piano classroom, theory room, music education room, wired classrooms and a computer lab, listening library, instrumental and choral rehearsal rooms, 18 practice rooms with Smartmusic technology, nine studios and Wallman Hall Auditorium.

See Chapter 6, "Degree Requirements," for further description of Liberal Studies Requirements. Teacher Education students should refer to the School of Education in Chapter 10.

MINOR IN MUSIC 24 credit hours

Music minors are encouraged to enroll in applied lessons and ensembles for eight semesters. See the Music Department Handbook for more information.

Required Courses (16 hrs.)

MUSI	1101	Concerts, Recitals, and Seminars	0
MUSI	1104	Functional Piano I	1
MUSI	1105	Functional Piano II	1
MUSI	1109	Comprehensive Theory	4
MUSI	1110	Comprehensive Theory	4
MUSI	1139	Voice Class	1
MUSI	2206	Music Apprec. for Majors	3
MUSI	2245	Fundamentals of Conducting	2

Applied Lesson Instruction (4 hrs.)

Four semesters required. Select applied instrument or voice from the following:

MUSI	1107	Piano	1
MUSI	1141	Voice	1
MUSI	1175-1198	Instrument (see Courses of Instruction for instruments offered)	1
MUSI	2200	Violin	1
MUSI	2201	Viola	1
MUSI	2202	Cello	1
MUSI	2203	Bass Violin	1

Ensemble Participation (4 hrs.)

Four semesters required. Select from the following:

MUSI	1167	Collegiate Singers	1
MUSI	1168	Marching Band	2
MUSI	1169	Concert Band	1
MUSI	1172	College-Community Orchestra	1

BACHELOR OF ARTS IN EDUCATION: TEACHING FIELD IN MUSIC EDUCATION

GRADES PRE-K-ADULT	138 sem. hrs.
Music Curriculum (<i>see below</i>)	70 sem. hrs.
Liberal Studies Requirements (<i>see Chp. 10</i>)	35 sem. hrs.
Professional Education Courses	33 sem. hrs.

• Music Curriculum..... 70 sem. hrs.

Required Courses (35 hrs):

MUSI 1100	Intro to Music Education.....	1
MUSI 1101	Concerts, Recitals, and Seminars	0
MUSI 1109	Comprehensive Theory	4
MUSI 1110	Comprehensive Theory	4
MUSI 1111	Intro to Music Technology	3
MUSI 2206	Music Apprec. for Majors.....	3
MUSI 2209/10	Comprehensive Theory.....	8
MUSI 2245	Fundamentals of Conducting.....	2
MUSI 3309	Orchestration.....	2
MUSI 3313/14	Music History	6
MUSI 3347	Advanced Conducting	2

Ensemble Participation (7 hrs.)

Seven semesters required. Select from the following:

MUSI 1167	Collegiate Singers	1
MUSI 1168	Marching Band.....	1
MUSI 1169	Concert Band.....	1
MUSI 1172	College-Community Orchestra.....	1

Applied Music (19 hrs.)

	Major Instrument or Voice	7
MUSI 1104	Functional Piano I.....	1
MUSI 1105	Functional Piano II	1
MUSI 2204	Functional Piano III	1
MUSI 2205	Functional Piano IV	1
MUSI 1139	Voice Class.....	1
MUSI 2211	String Class	1
MUSI 2213	Brass Class	1
MUSI 2215	Woodwind Class	1
MUSI 2217	Percussion Class.....	1
MUSI 2219	Guitar Class.....	1
MUSI	Elective instrumental class	1
MUSI 4440	Senior Recital	1

Music Education Methods (9 hrs.)

MUSI 3328	Elementary Methods, Materials, & Admin.....	2
MUSI 4429	Instrumental Methods, Materials, & Admin ..	2
MUSI 4430	Choral Methods, Materials, & Admin.....	2
MUSI 4431	Methods & Materials in Teach. Music, 7-12 ...	3

• Professional Education..... 33 sem. hrs.

EDUC 2200	Intro. to Education	3
EDUC 2201	Instructional Technology	3
EDUC 2202	Human Growth and Development	3
EDUC 2202L	Laboratory - Clinical I	1
EDUC 3331	Reading in the Content Area	3
EDUC 3351	Human Exceptionalities & Cultural Diversity	3
EDUC 3351L	Laboratory - Clinical II	1
EDUC 3352	Educational Psychology	3
EDUC 3352L	Laboratory - Clinical II	1
EDUC 3395	Secondary Classroom Organization.....	4
EDUC 4495	Secondary Pre K - Adult Student Teaching/Clinical III	8

SPEECH COMMUNICATION AND THEATRE

The Department of Speech Communication and Theatre has designed a program to provide students with a variety of choices for developing their knowledge and skills through study and performance. Co-curricular activities offered by this department are designed to be learning experiences for students and do not require enrollment in departmental courses.

A number of program choices are available to students in the Department of Speech Communication and Theatre. Students may choose a degree program in:

- 1.) A Bachelor of Arts major in Theatre, a liberal arts curriculum which can be paired with any academic minor desired by the student.
- 2.) A Bachelor of Arts major in Speech Communication, a liberal arts program which can be paired with any academic minor desired by the student.
- 3.) Bachelor of Arts minors in either Speech Communication or Theatre.
- 4.) Bachelor of Arts in Education, single field, grades 5-12 in Oral Communication (Speech Communication and Theatre).

In order that a student in any of these programs may be recommended for graduation by the Speech Communication and Theatre faculty, s/he must perform in one or more of the department faculty-directed/sponsored public performance areas listed below. A student must reach a satisfactory level of proficiency in at least one of the performance areas. Each student's performance and level of proficiency will be periodically appraised by the faculty.

PERFORMANCE AREAS

Theatre: acting, technical crews, directing, designing, public relations, house management, business management, etc., with Masquers, Town & Gown Players, or studio theatre presentations.

Oral Interpretation: intercollegiate festivals, contests, and other public performances.

Public Speaking: intercollegiate debate, competitive communication and public speaking events, festivals and exhibitions, organizing and evaluating communication performances and other public speaking presentations. The co-curricular activities of this department are open to all students. For detailed information, see Forensics and Theatre under Student Services and Organizations in this catalog.

See Chapter 6, "Degree Requirements," for further description of Liberal Studies Requirements. Teacher Education students should refer to the School of Education in Chapter 10.

BACHELOR OF ARTS IN SPEECH

COMMUNICATION	128 sem. hrs.
Speech Communication Curriculum (<i>see below</i>)	39
Liberal Studies Requirements (<i>see Chp. 6</i>)	56
Free Electives.....	33

• Speech Communication Curriculum 39 sem. hrs.

Required Courses (36 hrs.)

SPCH 1105	Voice & Diction	3
SPCH 1171	Mass Communication	3
SPCH 2215	Nonverbal Communication	3
SPCH 2219	Language in Communication	3
SPCH 2231	Small Group Communication	3
SPCH 2235	Interpersonal Communication	3

SPCH	2241	Argumentation & Debate	3
SPCH	3337	Persuasive Communication	3
SPCH	3345	Oratory.....	3
SPCH	3369	Communication in Organizations.....	3
SPCH	4499	Seminar in Communication Issues	3
THEA	2220	Oral Interpretation.....	3

Speech Communication Electives (3 hrs.)

SPCH	1199	Special Topics in Spch. Communication	1-3
SPCH	2249/4449	Intercollegiate Debate Practicum (I-VIII). 1	
SPCH	4439	Public Speaking Practicum (I-VIII)	1
SPCH	4491	Directed Study	1-4
THEA	2228/4428	Oral Interpretation Practicum (I-VIII)	1

MINOR IN SPEECH COMMUNICATION 24 sem. hrs.

Required Courses (24 hrs.)

SPCH	1105	Voice & Diction.....	3
SPCH	1171	Mass Communication	3
SPCH	2215	Nonverbal Communication	3
SPCH	2219	Language in Communication.....	3
SPCH	2231	Small Group Communication	3
SPCH	2235	Interpersonal Communication	3
SPCH	2241	Argumentation & Debate	3
SPCH	3337	Persuasive Communication	3

BACHELOR OF ARTS IN THEATRE 128 sem. hrs.

Theatre Curriculum (*see below*) 48 sem. hrs.

Liberal Studies Requirements (*see Chp. 6*) 56 sem. hrs.

Free Electives..... 24 sem. hrs.

• Theatre Curriculum 48 sem. hrs.

Required Courses (39 hrs.)

THEA	1105	Voice & Diction.....	3
THEA	1110	Introduction to Theatre	3
THEA	1114	Body Training and Stage Movement	3
THEA	1140	Theatrical Production	2
THEA*	1148	Theatre Workshop.....	1
THEA	1151	Text Analysis.....	3
THEA	2212	Theatrical Make-up.....	1
THEA	2230	Acting.....	3
THEA	2238	Acting Workshop I.....	1

-or-

THEA	4432	Acting Workshop II.....	1
THEA	2244	Introduction to Theatrical Design.....	3
THEA	2262	Production Practicum I.....	1

-or-

THEA	4462	Production Practicum II	1
THEA	3336	Directing.....	3
THEA	3340/41	Theatre History I, II	6
THEA	3375	Development of Dramatic Art	3
THEA	4438	Senior Comprehensive Project	3

**One hour of THEA 1148 (Theatre Workshop) must be taken concurrently with THEA 1140 (Theatrical Production). THEA 1148 or 3348 taken separately from THEA 1140 will not fulfill the requirement.*

Theatre Electives (9 hrs.)

At least 6 hours must be upper-division.

THEA	1199	Special Topics in Theatre.....	1-3
THEA	2220	Oral Interpretation.....	3
THEA	2251	Playwriting	3

THEA	3305	Voice for the Stage	3
THEA	3314	Advanced Theatrical Makeup	1
THEA	3326	Performance Studies.....	3
THEA	3330	Advanced Acting.....	3
THEA	3344	Advanced Theatrical Design	3
THEA	3346	Creative Puppetry	3
THEA	3350	Children's Drama.....	3
THEA	3352	Creative Drama.....	3
THEA	3392	Costume History and Design	3
THEA	4480	Theatre Bus. Management and Promotion.....	3
THEA	4490	Directed Study in Theatre	1-3

MINOR IN THEATRE 31 sem. hrs.

Required Courses (31 hrs):

THEA	1105	Voice and Diction.....	3
THEA	1110	Introduction to Theatre	3
THEA	1114	Body Training and Stage Movement	3
THEA*	1140	Theatrical Production	2
THEA*	1148	Theatre Workshop.....	1
THEA	1151	Text Analysis.....	3
THEA	2212	Theatrical Make-up	1
THEA	2220	Oral Interpretation.....	3
THEA	2230	Acting.....	3
THEA	2244	Introduction to Theatrical Design.....	3
THEA	3340	Theatre History I.....	3

-or-

THEA	3341	Theatre History II.....	3
THEA	3336	Directing.....	3

**One hour of THEA 1148 (Theatre Workshop) must be taken concurrently with THEA 1140 (Theatrical Production). THEA 1148 or 3348 taken separately from THEA 1140 will not fulfill the requirement.*

Recommended Related Courses for Theatre Majors and Minors:

ART	1120	Art Appreciation	3
ART	1142	Drawing	3
ENGL	3374	Shakespeare	3
ENGL	3390	Modern Drama	3
MUSI	1120	Music Appreciation.....	3
MUSI	1139	Voice Class I.....	1
MUSI	1141	Voice I-IV	1-2

**BACHELOR OF ARTS IN EDUCATION:
TEACHING FIELD IN ORAL COMMUNICATION**

GRADES 5-ADULT	128 sem. hrs.
Oral Communication Curriculum (<i>see below</i>)	44
Liberal Studies Requirements (<i>see Chp. 10</i>)	45
Professional Education Courses	33
Free Electives	6

All courses must be completed before the Initial Performance Practicum. SPCH 4431 must be taken in either the junior or senior year by all oral communication majors.

• **Oral Communication Curriculum** 41 sem. hrs.

Required Courses (41 hrs.)

SPCH 1105	Voice & Diction	3
SPCH 1171	Mass Communication	3
SPCH 2235	Interpersonal Communication	3
SPCH 2241	Argumentation & Debate	3
SPCH 2249/4449	Intercollegiate Debate.....	1
SPCH 3337	Persuasive Communication	3
SPCH 4431	Methods and Materials in Teaching Speech Communication and Theatre	3
SPCH 4439	Public Speaking Practicum	1
THEA 1140	Theatrical Production	2
THEA* 1148	Theatre Workshop.....	1
THEA 2212	Theatrical Makeup	1
THEA 2220	Oral Interpretation.....	3
THEA 2228/4428	Oral Interpretation Practicum.....	1
THEA 2230	Acting.....	3
THEA 2244	Introduction to Theatrical Design.....	3
THEA 3336	Directing.....	3
THEA 3350	Children's Drama.....	3
THEA 3354	Theatre Education Practicum.....	1

*The one required hour in THEA 1148 (Theatre Workshop) must be taken concurrently with THEA 1140 (Theatrical Production). Previously acquired credit in THEA 1148 or THEA 3348 will not fulfill this requirement.

• **Professional Education.....** 33 sem. hrs.

EDUC 2200	Intro. to Education	3
EDUC 2201	Instructional Technology	3
EDUC 2202	Human Growth and Development	3
EDUC 2202L	Laboratory - Clinical I	1
EDUC 3331	Reading in the Content Areas	3
EDUC 3351	Human Exceptionalities & Cultural Diversity	3
EDUC 3351L	Laboratory - Clinical II	1
EDUC 3352	Educational Psychology	3
EDUC 3352L	Laboratory - Clinical II	1
EDUC 3395	Second. Classroom Org. & Practices.....	4
EDUC 4495	Second. Pre K-Adult Stud. Teach./Clinical III.	8

School of Nursing and Allied Health Administration

■ Dr. Deborah M. Kisner, Dean
School of Nursing and Allied Health Administration
244 Education Building / (304) 367-4003
dkisner@fairmontstate.edu

FACULTY

BATES, JOYCE A (2001)
Clinical Instructor of Nursing

BOND, SHARON L. (1994)
Associate Professor of Nursing

CONDRON, ELLEN (1990)
Associate Professor of Nursing

GALLO, VERONICA (2004)
Clinical Instructor of Nursing

HOAG, DEBRA (2002)
Assistant Professor of Nursing

KIRBY, GALE T. (1989)
Assistant Professor of Nursing

KIRCHOFF, DENICE (1998)
Associate Professor of Nursing

MEIGHEN, MARY, DR. (1983)
Professor of Nursing

MOORE, CONNIE S. (1988)
Senior Associate Professor of Nursing

ROGERS, TANYA L. (2001)
Assistant Professor of Nursing

TURBANIC, JUDITH A (1995)
Assistant Professor of Nursing

TURCHIN, LINDA. (2003)
Clinical Instructor of Nursing

YOUNG, FRANCES T. (1997)
Associate Professor of Nursing

TABLE OF CONTENTS

1. Allied Health Administration
(Bachelor of Science Degree) 92
2. Nursing (Bachelor of Science Degree)..... 93
3. Nursing (Associate of Science Degree) 94

ALLIED HEALTH ADMINISTRATION

(Bachelor of Science)

This is a comprehensive program which is designed to provide health professionals with the education to become administrators in health care agencies. The curriculum is directed toward developing the management, problem-solving, finance and interpersonal skills that are necessary for careers in a variety of health care organizations. An additional intent of the program is to provide career advancement opportunities for those who are already employed in health care organizations.

To be eligible for admission to the Bachelor of Science program in Allied Health Administration, a student must have an associate degree in a health-care field from an accredited college. Requirements include Liberal Studies courses, Degree Requirements, and a core curriculum which encompasses accounting, management, problem solving and allied health courses.

Liberal Studies and required support courses should be completed prior to enrolling in the Allied Health courses.

Students must earn a grade of "C" or higher in all required courses.

See Chapter 6, "Degree Requirements," for further description of Liberal Studies Requirements.

BACHELOR OF SCIENCE IN ALLIED HEALTH ADMINISTRATION

.....	128 sem. hrs.
Liberal Studies Requirements (see Chp. 6).....	44 sem. hrs.
Allied Health/Support Curriculum (see below) .	31 sem. hrs.
Associate Degree Major Credits.....	35 sem. hrs.
Electives.....	18 sem. hrs.

• Allied Health Administration Curriculum..... 31 sem. hrs. Required Support Courses (18 hrs.)

ACCT	2201	Principles of Accounting I	3
INFO	1100	Computer Concepts and Applications.....	3
MGMT	2209	Principles of Management.....	3
MGMT	3308	Human Resource Management.....	3
MGMT	3390	Human Behavior in Organization.....	3
BUSN	3310	Statistics.....	3
-or-			
PSYC	2240	Statistics.....	4
-or-			
MATH	1113	Applied Statistics	4

Required Allied Health Courses (13 hrs.)

ALLH	3301	Health Care Organization.....	3
ALLH	3302	Management Problems of the Health Care Delivery System.....	3
ALLH	3372	Legal and Medical Ethics	3
ALLH	4401	Practicum and Seminar.....	4

NURSING

(Bachelor of Science Degree)

The Bachelor of Science in Nursing Program is designed for Registered Nurses who desire a baccalaureate degree in nursing. It provides career mobility for the associate degree and diploma-graduate nurse. The program is designed to prepare nurse generalists to provide and coordinate care in situations of health promotion, maintenance, and restoration. The program also aims to provide a base for graduate study and to prepare graduates to assume accountability for nursing practice in the roles of clinical generalist, client advocate, leader, manager, research consumer and lifelong learner.

The curriculum is individually designed on the basis of the student's academic background. A minimum of 129 approved credit hours is required. This includes 32 upper division nursing credits. The program can be completed in two full-time academic years if the lower division requirements have been completed in advance. Students may enroll on a full-time or part-time basis. Nursing courses will be offered in the evening when possible. A grade of "C" or above is required in all nursing and support courses.

The Bachelor of Science in Nursing Program is accredited by the Commission on Collegiate Nursing Education. For further information on accreditation, contact: Commission on Collegiate Nursing Education, One Dupont Circle, NW, Suite 530, Washington, DC 20036-1120, (202) 887-6791.

All applicants seeking admission to the Bachelor of Science in Nursing Program are required to:

- 1.) Meet the general admission requirements of Fairmont State University.
- 2.) Hold an unencumbered license to practice as a Registered Nurse in West Virginia.
- 3.) Submit an application for admission, designating the major as Baccalaureate in Nursing, to the Office of Admissions in order to be considered for admission. The following information must also be submitted:
 - a. Official high school transcript or GED scores.
 - b. Official college or diploma program transcripts.
 - c. Short résumé, including education and work experience since graduation.
 - d. Evidence of current CPR certification (must be provided prior to beginning clinical courses).
 - e. Completed health form and/or meet clinical agency requirements.
- 4.) Complete successfully the lower-division requirements as indicated, prior to admission to clinical nursing courses.
- 5.) Have any eligible transfer courses evaluated by the Registrar's Office.
- 6.) Graduates of a diploma nursing program will receive credit for lower division nursing courses by successfully completing 14 credits in the nursing major with a grade of "C" or better.

Registered Nurses who have not completed the required lower division courses are encouraged to contact the School of Nursing and Allied Health Administration for advising purposes.

The following courses are required for completion of this program. Credit for some courses may be earned by examination. All required support courses must be completed prior to or concurrently with Nursing 4440. Admission to the program is required for enrollment in clinical nursing courses.

Courses marked with an asterisk must be completed prior to admission to the BSN nursing courses. The Bachelor's Degree in

Nursing offers an option of School Nurse Certification. Education 2200 and the School Nurse Track in Nursing 4440 are required for this program.

• Liberal Studies and Support Course Requirements

Communication Skills

*ENGL 1104	Written English I.....	3
*ENGL 1108	Written English II.....	3
SPCH 1100	Intro. to Speech Com	3
INFO 1100	Comp. Sci. (or demonstrated competency).....	3

Cultural/Civilization Exploration (9 hrs.)

See Liberal Studies Requirements

Society and Human Interactions

*POLI 1103	American Government.....	3
*PSYC 1101	Introduction to Psychology.....	3
*SOCY 1110	General Sociology.....	3

Scientific Discovery

*BIOL 1170	Anatomy and Physiology	4
*BIOL 2205	Technical Microbiology	4

Mathematics

MATH 1107	or higher Math	3
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Creative Expression and Interdisciplinary Studies

Appreciation Course

Art, Music, Theatre, or INTR 1120	3
INTR 1100 Race, Class and Gender.....	3

Support Courses

ECON 2200	Economics	3
PSYC 2240	Statistics.....	4
-or-		
BUSN 3310	Statistics.....	3
CHEM 1101	General Chemistry.....	4
MGMT 2209	Principles of Management	
-or-		
MGMT 3308	Human Resources	3
**EDUC 2200	Introduction to Education	3

**Courses marked with an asterisk must be completed prior to enrollment in NURS 3350. CHEM 1101 or SCIE 1110 required prior to enrollment in NURS 3360.*

*** School Nurse candidates only.*

• Required Nursing Courses 32 sem. hrs.

NURS 3320	Health Assessment	4
NURS 3330	Health Deviations	3
NURS 3350	Professional Nursing Concepts	3
NURS 3360	Complex Nursing Situations	4
NURS 4400	Research in Nursing Practice	3
NURS 4410	Community Health Nursing.....	6
NURS 4430	Leadership and Manag. in Nursing Practice ..	3
NURS 4440	Nursing Practicum	6

• Associate Degree Nursing Credits 37 sem. hrs.

• TOTAL 129-130 sem. hrs.

• Returning BSN seeking School Nurse Certificate

NURS 4441	School Nurse Practicum	4
EDUC 2200	Introduction to Education.....	3

NURSING

(Associate of Science Degree)

The mission of the Associate of Science in Nursing program is to provide quality nursing education to people in north central West Virginia and beyond. The program is designed to prepare graduates for a challenging and satisfying career as a nurse. The curriculum includes a balance of nursing and non-nursing courses. Students have the opportunity to apply nursing theory and skills in the campus laboratory as well as in clinical settings which may include hospitals in Morgantown, Clarksburg, and Fairmont, as well as nursing homes, a rehabilitation center, schools, clinics, and physician's offices. The psychiatric nursing experience takes place in Weston and Morgantown during the summer. Students are expected to provide their own transportation to all clinical experiences.

Fairmont State's associate degree nursing program is designed to produce a graduate who is able to:

- 1.) Initiate client care using critical thinking skills to make reasoned decisions.
- 2.) Practice social and professional accountability and responsibility.
- 3.) Synthesize knowledge from nursing and the physical, biological, behavioral and social sciences to implement the nursing process.
- 4.) Establish effective therapeutic communication with clients.
- 5.) Demonstrate competency in therapeutic nursing interventions.
- 6.) Coordinate client care functioning in the multiple roles of care provider, teacher, communicator, manager, and member of the profession.

An impartial computerized scoring system is employed to rank applicants to the nursing program. The evaluation process considers ACT or SAT scores; high school or college grade point average or GED scores; grades in chemistry, biology, and algebra; and college courses completed that apply to the nursing degree (if applicable). Applicants who are not admitted must reapply if they wish to be considered for the next academic year.

To remain in the nursing program, a student must receive a grade of C or above in every nursing course and in every required support course. Failure to meet either of these requirements will result in dismissal from the program. Readmission is on the basis of reapplication and reacceptance. To graduate from the nursing program, a student must have a grade of C or above in every nursing course and a cumulative 2.0 grade point average.

Graduates of the program are eligible to take the National Council Licensing Examination for licensure as a Registered Nurse. For licensure in West Virginia, candidates must meet the following legal requirements delineated in the West Virginia Code, Chapter 30, Article 7, Section 6 and 11. They require that the graduate:

- 1.) Be of good moral character.
- 2.) Has completed an approved four-year high school course of study or the equivalent thereof.
- 3.) Has completed an accredited program of registered professional nursing education and holds a diploma of a school accredited by the Board.
- 4.) Has not been convicted of a felony or violated any standards listed in 30-7-11, 19-3-2, or 19-3-14 of the WV Code and Legislative Rules for Registered Professional Nurses.

The nursing program is accredited by the West Virginia Board of Examiners for Registered Professional Nurses and the

National League for Nursing Accreditation Commission, Accrediting Commission, 61 Broadway-33rd Floor, New York, NY 10006. Associate Degree Nurses are qualified to work in hospitals, nursing homes, physicians' offices and clinics. Graduates may also continue in higher education toward Bachelor's and Master's degrees in nursing and related fields.

ASSOCIATE OF SCIENCE IN NURSING 70 sem. hrs.

- Model Schedule 70 sem. hrs.

FRESHMAN FIRST SEMESTER

ENGL	1104	Written English	3
NURS	1101	Fundamentals of Nursing	6
FOSM	2220	Diet Therapy	3
BIOL	1170	Anatomy & Physiology	4
			16

FRESHMAN SECOND SEMESTER

ALLH	1106	Introduction to Pharmacology	3
BIOL	2205	Microbiology	4
PSYC	1101	Introduction to Psychology	3
NURS	1104	Adult Health I	4
NURS	1105	Adult Health II	4
			18

SUMMER

NURS	2201	Psychiatric Nursing	6
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SOPHOMORE FIRST SEMESTER

ENGL	1108	Written English	3
POLI	1103	American Government	3
NURS	2204	Trends in Nursing	2
NURS	2222	Adult Health III	4
NURS	2223	Adult Health IV	4
			16

SOPHOMORE SECOND SEMESTER

NSG	2205	Maternity Nursing	4
NSG	2206	Nursing of Children	4
SOC	1110	Introduction to Sociology	3
INTR	1100	Race, Class, & Gender	3
NURS	2207	NCLEX Review	1
			15

ACCELERATED LPN TO ADN TRACT

Once admitted to the Associate Degree Nursing program, Licensed Practical Nurses are eligible for the articulation process. This accelerated process grants 14 nursing credit hours upon successful completion of Mastery of Adult Health 1106 and 1107 with a 20 contact hour clinical component in each course. The nursing courses can be completed in 12 months with a one hour on-line transition course, NURS 1102, taken the semester prior to beginning the nursing courses. Liberal Studies and support course requirements will need to be taken prior to and/or concurrently with the nursing courses.

Licensed practical nurses who are interested in the Associate Degree Nursing program should review the application process on the School of Nursing & Allied Health Administration Academic home pages.

Interdisciplinary Programs

TABLE OF CONTENTS

1. Child Development	95
2. Fashion Design & Merchandising	95
3. Interior Design	96
4. Women's Studies	96
5. Forensics	97
6. Intelligence Research Analysis	98
7. Interdisciplinary Studies Degree	98

CHILD DEVELOPMENT

The Bachelor of Science in Child Development is a 2+2 completion program with the Early Childhood Associate of Applied Science Degree offered through the Community College, without loss of credit. It includes the study of the growth and development of young children as well as planning, preparation and implementation of appropriate curriculum for quality early childhood programs. Students have the opportunity to gain practical experience working with children at the campus Laboratory Preschool and in early childhood programs within the community. A Laboratory Preschool, located in room 124 of the Education Building, serves as a training facility for Child Development students and provides an outstanding preschool program for three- and four-year-old children from the community. The Laboratory preschool has a quality program that meets the guidelines set by the National Association for the Education of Young Children and is licensed by the West Virginia Department of Health and Human Resources. This program prepares individuals to work as directors in child care facilities, Head Start Centers, and private preschools or nursery schools and as professional in the field of infant and child development. Other employment opportunities include positions in public and private organizations providing services and assistance to families and children.

BACHELOR OF SCIENCE IN FAMILY

AND CONSUMER SCIENCES 128 sem. hrs.

AAS Degree, Early Childhood (*see FST&TC*) 64 sem. hrs.

Child Development Curriculum (*see below*) 32 sem. hrs.

Liberal Studies Requirements (*see Chp. 6 for requirements not completed through AAS*) 32 sem. hrs.

• Child Development Curriculum 32 sem. hrs.

Required Courses (15 hrs.)

FACS	3315	Mgmt in the Family	3
FACS	3335	Parenting	3
FACS	3383	Social & Emotional Development of Child. ...	3
FACS	4400	Senior Seminar I	1
FACS	4401	Senior Seminar II	1
FACS	4492	Child Development Internship	4

Restricted Electives (9 hrs.)

Select three courses

APPD	1101	Clothing Construction	3
APPD	1103	Clothing & Culture	3
APPD	2210	Textiles	3
APPD	2250	Design in Home Furnishings	3
FACS	3310	Family Life	3
FACS	3312	Consumer Economics	3
FACS	3318	Management Problems	3
FACS	3320	Housing & Society	3
FACS	3330	Intro to Preschooler	3
FACS	3331	Adolescent Develop	3
FOSM	2202	Meal Management	3

Electives (8 hrs.)

MINOR IN EARLY CHILDHOOD 21 sem. hrs.

Required Courses (21 hrs.)

EC	1105	Development of Young Children	3
EC	1107	Early Childhood Curriculum	3
EC	1130	Found of Early Childhood	3
EC	2231	Admin of EC Programs	3
EC	2230	..... Teaching Strategies	3
EC	2232	Early Childhood Practicum I	3
EC	2283	Cognitive Development	3

FASHION DESIGN AND MERCHANDISING

Fashion Design and Merchandising is offered at Fairmont State as a 2+2 program with Fairmont State Community & Technical College. Students who complete the associate's degree in Fashion Design may continue through the University to complete a Bachelor of Science without loss of credit. This articulation agreement has proven to be an excellent opportunity for students to further their study in Fashion Merchandising with additional courses in Liberal Studies, Family and Consumer Sciences and a minor in Retail Management, while continuing their studies at Fairmont State. Students completing the Bachelor's program can begin their professional careers as buyers, retail managers, visual merchandisers or fashion consultants and learn about business aspects of the industry such as advertising, marketing, and retail and wholesales sales, fashion reporting, and other textile- and clothing-related positions.

BACHELOR OF SCIENCE IN FAMILY

AND CONSUMER SCIENCES 129 sem. hrs.

AAS Degree, Fashion Design 64 sem. hrs.

Fashion Design & Merchandising Curriculum (*see below*) 36 sem. hrs.

Liberal Studies Requirements (*see Chp. 6 for requirements not completed through AAS*) 29 sem. hrs.

• Fashion Design & Merchandising Curriculum 36 sem. hrs.			
<i>Required Courses (27 hrs.)</i>			
APPD	3375	Professional Practicum in Applied Design	4
ECON	2201	Economic Principles & Problems	3
FACS	4400	Senior Seminar I	1
FACS	4401	Senior Seminar II	1
BUSN	3320	International Business	3
MGMT	3308	Human Resource Management	3
MKGT	2204	Principles of Marketing	3
MKGT	2205	Salesmanship & Sales Management	3
MKGT	3305	Distribution & Logistics Management	3
MKGT	3320	Advertising & Sales Promotion	3

Restricted Electives (9 hrs.)

Select three courses

APPD	2250	Design in Home Furnishings	3
EC	2240	Infant & Toddler Development	3
FACS	3310	Family Life	3
FACS	3312	Consumer Economics	3
FACS	3315	Mgmt in the Family	3
FACS	3318	Management Problems	3
FACS	3320	Housing in Society	3
FACS	3330	Intro to Preschooler	3
FACS	3331	Adolescent Development	3
FOSM	1110	Nutrition	3
FOSM	2201	Principles of Food Prep	3
FOSM	2202	Meal Management	3

MINOR IN FASHION DESIGN 21 sem. hrs.

Required Courses (21 hrs.)

APPD	1102	Apparel Design	3
APPD	1115	Introduction to the Fashion Industry	3
APPD	1116	History of Contemporary Fashion	3
APPD	1151	Design Concepts	3
APPD	2217	Visual Merchandising	3
APPD	1101	Principles of Clothing Construction	3
APPD	2210	Textiles	3

INTERIOR DESIGN

Interior Design is offered at Fairmont State as a 2+2 program through Fairmont State Community & Technical College. Students who complete the associate's degree in Interior Design may continue through the University to complete a Bachelor of Science without loss of credit. This articulation agreement has proven to be an excellent opportunity for students to further their study in Interior Design with additional courses in architectural design and advanced AutoCAD while continuing their studies at Fairmont State. The student chapter of ASID (American Society of Interior Designers) offers additional development experiences for students who want to pursue professional certification after graduation. This program, at both the associate and bachelor's level, meets all academic requirements for ASID professional registration.

BACHELOR OF SCIENCE IN FAMILY

AND CONSUMER SCIENCES 128 sem. hrs.

AAS Degree, Applied Design (see FST&TC)	64	sem. hrs.
Interior Design Curriculum (see below)	35	sem. hrs.
Liberal Studies Requirements (see Chp. 6 for requirements not completed through AAS)	29	sem. hrs.

• Interior Design Curriculum 35 sem. hrs.

Required Courses (26 hrs.)

APPD	3375	Professional Practicum in APPD	4
ARCH	1160	Architectural History II	3
ARCH	2200	Graphics	3
ARCH	2210	Design I	4
ARCH	2250	Design II	4
ARCH or DRAF		Elective	3
FACS	3320	Housing in Society	3
FACS	4400	Senior Seminar I	1
FACS	4401	Senior Seminar II	1

Restricted Electives (9 hrs.)

Select three courses

APPD	1101	Clothing Construction	3
APPD	1103	Clothing & Culture	3
EC	2240	Infant & Toddler Develop.	3
FACS	3310	Family Life	3
FACS	3312	Consumer Economics	3
FACS	3315	Mgmt in the Family	3
FACS	3318	Management Problems	3
FACS	3330	Intro to Preschooler	3
FACS	3331	Adolescent Develop.	3
FOSM	1110	Nutrition	3
FOSM	2201	Principles of Food Prep	3
FOSM	2202	Meal Management	3

MINOR IN INTERIOR DESIGN 20 sem. hrs.

Required Courses (20 hrs.)

APPD	1140	Intro to Interior Design	4
APPD	1151	Design Concepts	3
APPD	2210	Textiles	3
APPD	2240	Residential Design	4
APPD	2250	Design in Home Furnishings	3
FACS	3320	Housing in Society	3

WOMEN'S STUDIES (MINOR ONLY)

The Women's Studies minor provides students with an avenue to explore contemporary and historical women's issues as they relate to traditional academic disciplines and human life. Awareness of women's issues has become an asset in any profession. Students wishing to elect this minor will need to work closely with their advisor. Most importantly, all component course selections must be made from the approved list of courses published each semester by the Women's Studies Coordinating Committee.

MINOR IN WOMEN'S STUDIES 18 sem. hrs.

Required Courses (6 hrs.)

INTR	2201	Introduction to Women's Studies	3
INTR	4402	Capstone Seminar in Women's Studies	3

Electives (12 hrs.)

Select two courses from each of the following groups

Group A

BUSN	3325	Women and Work	3
CRJU	3305	Changing Roles of Women in Criminal Justice	3
ENGL	3388	Women's Literature	3
HIST	3333	Social History of American Women	3

Group B

APPD	1103	Clothing and Culture.....	3
APPD	1116	History of Contemporary Fashion.....	3
ENGL	3363	American Novel.....	3
ENGL	3379	Victorian Literature.....	3
ENGL	3380	20th Century British Literature.....	3
ENGL	3381	British Novel.....	3
ENGL	3389	Minority Literature	3
ENGL	3391	Short Story	3
ENGL	3392	Contemporary Poetry	3
ENGL	3393	Southern Literature	3
FACS	3310	Family Life Education.....	3
FOSM	1110	Nutrition.....	3
INTR	1100	Race, Class and Gender.....	3
INTR	2280	Empowering Leadership.....	3
INTR	3380	Great Leaders.....	3
NURS	2205	Maternity Nursing	3
SOCY	3310	Sociology of the Family	3

FORENSICS

The Forensics degree consists of two majors. The Forensic Science major includes Criminal Justice, Biology, Chemistry, Physics and interdisciplinary courses, and prepares students for graduate school and/or employment in scientific laboratories. In addition, an emphasis in biotechnology is available. The Forensic Psychology major, drawing upon Criminal Justice and Psychology, prepares students both for graduate programs and for careers in psychology, social work, law enforcement and corrections. Candidates for both majors must complete the Liberal Studies requirements as described in the Degree Requirements chapter of this catalog. A minor area of study is not required with the Forensic Psychology major, due to the comprehensive nature of the program's specialized course work. Students completing the requirements for the Forensic Science major will automatically earn a minor in Chemistry.

The required science courses satisfy the Liberal Studies scientific discovery requirement and the required math course satisfies the Liberal Studies math requirement. Electives will normally be upper-level courses and must be chosen in consultation with the Forensic Sciences advisor. Students interested in graduate school will need to complete additional upper-level science courses.

Note: ACT prerequisites for required science and math courses are listed in the catalog under the course description for each course. Students entering with an ACT science reasoning score of 21 or better, ACT Math score of 24 or higher, two units of high school algebra, one unit of high school geometry and one unit of high school trigonometry will be prepared for all courses. Students not meeting this list of prerequisites will need to take specific additional courses and should consult with an advisor from the chemistry program immediately.

Students pursuing the Forensic Science major will be assigned academic advisors from the chemistry program. Forensic Psychology majors will be assigned advisors from the School of Social Sciences.

BACHELOR OF SCIENCE IN

FORENSIC SCIENCE	128 sem. hrs.
Forensic Science Curriculum (<i>see below</i>)	83 sem. hrs.
Liberal Studies Requirements (<i>see Chp. 6 for LSRs not completed through the major</i>)	35 sem. hrs.
Free Electives.....	10 sem. hrs.

• Forensic Science Curriculum 83 sem. hrs. *Required Courses (73 hrs.)*

BIOL	1105	Principles of Biology I.....	4
BIOL	1106	Principles of Biology II.....	4
BIOL	1170	Anatomy and Physiology	4
BIOL	3380	Genetics.....	4
BIOL	3390	Molecular Biology	4
CHEM	1105	Chemical Principles I.....	5
CHEM	1106	Chemical Principles II	4
CHEM	1113	Practical Sci. Statistics with a Spreadsheet	1
CHEM	2201	Organic Chemistry I	4
CHEM	2202	Organic Chemistry II.....	4
CHEM	2205	Analytical Chemistry	4
CHEM	2215	Intermediate Instrumental Analysis.....	4
CRJU	1100	Introduction to Criminal Justice	3
CRJU	2236	Criminal Investigation.....	3
CRJU	2246	Criminal Evidence.....	3
CRJU	3300	Criminalistics.....	3-4
CRJU	4410	Research in Criminal Justice	3
CRJU	4411	Field Practicum	3
INTR	4401	Capstone Seminar in Forensic Science	3
MATH	1185	Applied Calculus I	4
-or-			
MATH	1190	Calculus I.....	4
MATH	1113	Applied Statistics	4
PHYS	1101/02	Introduction to Physics I, II	8
-or -			
PHYS	1105/06	Principles of Physics I, II.....	10

Electives (10 hrs.)

Additional Requirements for Biotechnology Emphasis (9 hrs.)

BIOL	3360	Biochemistry.....	4
CHEM	3301	Physical Chemistry	4
CHEM	4405	Advanced Integrated Lab	1

BACHELOR OF SCIENCE IN FORENSIC PSYCHOLOGY	128 sem. hrs.
Forensic Science Curriculum (<i>see below</i>)	76 sem. hrs.
Liberal Studies Requirements (<i>see Chp. 6</i>)	44 sem. hrs.
Electives	8 sem. hrs.

• Forensic Psychology Curriculum 76 sem. hrs.
Required Courses (76 hrs.)

CRJU	1100	Introduction to Criminal Justice	3
CRJU	1101	Police Operations	3
CRJU	2206	Introduction to Corrections	3
CRJU	2236	Criminal Investigation	3
CRJU	2246	Criminal Evidence and Procedures	3
CRJU	3320	Introduction to Criminology	3
CRJU	3350	Group Techniques	3
CRJU	3360	Community Based Corrections.....	3
PSYC	1101	Introduction to Psychology I.....	3
PSYC	2220	Personal Adjustment History and Systems.....	3
PSYC	2230	Social Psychology	3
PSYC	2240	Statistics.....	4
PSYC	3300	Abnormal Psychology	3
PSYC	3310	Experimental Psychology	3
PSYC	3330	Developmental Psychology	3
PSYC	3350	Biopsychology	3
PSYC	3370	Theories of Learning	3
PSYC	4400	Psychological Assessment.....	3
PSYC	4410	Theories of Personality	3
PSYC	4460	Seminar I: Intro. to Forensics.....	3
PSYC	4460	Seminar II: Interventions	3
PSYC	4491	Psychopathology-Childhood & Adol.....	3
PSYC	4495	Delinquency	3
PSYC	4497	Practicum I	3
PSYC	4498	Practicum II	3

COMPUTER FORENSICS (minor/certificate only)

The Minor or Certificate of Completion in Computer Forensics provides basic knowledge for those students and practitioners who have an interest in criminal justice and computer crime investigation.

MINOR IN COMPUTER FORENSICS 18 sem. hrs. *Required Courses (9 hrs.)*

CRJU	2203	Computer Crime: Legal Issues and Investigative Procedures	3
INFO	2205	Information Technology-Hardware and Operating Systems.....	3
INFO	2250	Networks and Telecommunications	3

Electives (9 hrs)

Students must select at least one course from each field

CRJU	2246	Criminal Evidence.....	3
CRJU	3301	Internet Vulnerabilities and Criminal Activity	3
CRJU	3340	Laws of Arrest, Search and Seizure	3
CRJU	4410	Research in Criminal Justice	3
CRJU	4411	Field Practicum	3
INFO	2200	Fundamentals of Information Systems.....	3
INFO	3310	Systems Analysis and Design	3
INFO	3339	Programming, Data & File Structures.....	4
INFO	3340	Advanced Application Development	3
INFO	4420	Database Design and Implementation	3

CERTIFICATE OF COMPLETION IN COMPUTER FORENSICS 12 sem. hrs.

Required Courses (12 hrs.)

CRJU	2203	Computer Crime: Legal Issues and Investigative Procedures	3
CRJU	3301	Internet Vulnerabilities and Criminal Activity	3
INFO	2205	Information Technology-Hardware and Operating Systems.....	3
INFO	2250	Networks and Telecommunications	3

INTELLIGENCE RESEARCH ANALYSIS (minor/certificate only)

The Minor or Certificate of Completion in Intelligence Research and Analysis will provide a foundation of courses to students and practitioners pursuing careers as research and/or intelligence analysts. The coursework is intended to provide the student with a basis of knowledge for the preparation of assessments based on the collection, correlation and analysis of intelligence data. The goal of the program is to produce a student qualified for an entry-level position with government agencies or private businesses.

Students seeking admission to the minor or certificate of completion program must apply to the program advisor, successfully complete an interview and submit a writing sample. Students must be aware that future employment often requires intensive background investigations, and any conduct deemed significantly unethical, illegal or unprofessional may result in the students failing to achieve employment in the field regardless of his/her academic record.

MINOR/CERTIFICATE IN INTELLIGENCE RESEARCH AND ANALYSIS 21 sem. hrs.

Required Courses (21 hrs.)

CRJU	2246	Criminal Evidence.....	3
CRJU	4410	Research in Criminal Justice	3
HIST	3310	Diplomatic and Military History.....	3
POLI	2204	Introduction to Public Administration	3
POLI	4405	Terrorism.....	3
SSCI	1101	Introduction to Intelligence Research	3
SSCI	2200	Field Experience	3

It is strongly recommended that students acquire a reading competency in a foreign language and successfully complete a statistics course. Prerequisites for the whole program?: CRJU 1100, POLI 1103, INFO 1100, HIST 1107 and 1108, ECON 2200. These prerequisites, except CRJU 1100, are currently Liberal Studies or Liberal Studies elective courses.

INTERDISCIPLINARY STUDIES DEGREE

This program will lead to the degree Bachelor of Arts or Bachelor of Science in Interdisciplinary Studies. It is designed to meet the needs of the student whose career and educational goals may not be satisfied by the major fields available at Fairmont State College. This degree allows greater flexibility in programming and enables students to gain optimum benefits from the strengths of the institution as they apply to the chosen fields of study.

The Academic Affairs Control Committee, which is chaired by the Provost and Vice President for Academic Affairs, is responsible for the overall coordination and control of the program. School Chairs and a Coordinating Committee, composed of faculty who hold the rank of assistant professor or higher and who have been approved by the Deans and/or School Heads, assist in implementing the program.

Application to the program must be made between the end of the first semester and the beginning of the fifth semester of academic work. Students must have completed at least one semester of academic work as full-time students with an average of 2.0 or better.

PROGRAM REQUIREMENTS

- The student's program must contain a strong concentration of at least 48 semester hours, drawn from at least two disciplines of existing courses which form a logical selection, having a clear purpose and aimed at a specific learning outcome that is not already represented among the major fields available at Fairmont State.
- At least 24 hours of those courses must be taken after admission to the program.
- The courses must be drawn from major four-year programs, or courses in an associate degree program which are part of the requirements for a bachelor's degree.
- Arranged classes are to be avoided.
- At least one-half of the hours in the concentrated area must be at the upper level.
- Up to 12 hours may be earned by appropriate directed research, exhibition, performance, internship, or combination of these. This credit is subject to the existing regulations for similar experience; no experiential credit will be accepted.
- All requirements of the B.A. or B.S. degrees will apply, including successful completion of the Liberal Studies Requirements, overall grade point average of 2.0, residency requirements, 128 hours required for graduation, and other stipulations to be found in the College catalog. Liberal Studies requirements will be determined by the first concentration area.
- Elective courses will be used to complete hours required for graduation.
- Students who anticipate graduate school attendance should check appropriate catalogs to ensure that they will qualify for admission.
- Once a proposal has been approved, it may be amended only with permission.

Model Schedules

TABLE OF CONTENTS

1. College of Liberal Arts.....	100
2. College of Science & Technology	105
3. School of Business	107
4. School of Education.....	111
5. School of Fine Arts.....	112
6. School of Nursing & Allied Health Administration...	115

College of Liberal Arts

CRIMINAL JUSTICE (B.S.)

FRESHMAN FIRST SEMESTER

ENGL 1104	Written English I.....	3
CRJU 1100	Intro. to Criminal Justice.....	3
SPCH 1100	Intro. to Speech Communication.....	3
Liberal Studies - Culture/Civilization Exploration elective		3
Liberal Studies - Artistic/Creative/Interdisciplinary elective.....		3

FRESHMAN SECOND SEMESTER

ENGL 1108	Written English II.....	3
CRJU 1101	Police Operations	3
CRJU 2206	Intro. to Corrections.....	3
Liberal Studies - Artistic/Creative/Interdisciplinary elective.....		3
Liberal Studies - Society/Human Interaction elective		3

SOPHOMORE FIRST SEMESTER

ENGL 2220	World Lit I.....	3
or		
ENGL 2230	Intro. to Lit. I.....	3
INFO 1100	Comp. Concepts & Appls.....	3
CRJU 2212	Abn. Beh. & Crisis Int.....	3
Liberal Studies - College-level Math elective		3
Liberal Studies - Scientific Discovery elective.....		4

SOPHOMORE SECOND SEMESTER

ENGL 2221	World Lit. II.....	3
or		
ENGL 2231	Intro to Lit. II.....	3
CRJU 2240	Adjudication Process	3
CRJU 2202	Principles of Criminal Law I.....	3
Liberal Studies - Society/Human Interaction elective		3
Liberal Studies - Scientific Discovery elective.....		4

JUNIOR FIRST SEMESTER

CRJU 3320	Criminology.....	3
H.B. & Soc Envir		3
H.B. & Soc Envir		3
Minor		3
Elective		3

JUNIOR SECOND SEMESTER

CJ Concentration		3
CJ Concentration		3
H.B. & Soc Envir		3

H.B. & Soc Envir		3
Minor		3
Minor		3

SENIOR FIRST SEMESTER

H.B. & Soc Envir		3
H.B. & Soc Envir		3
CJ Concentration		3
CRJU 4410	Research.....	3
or		
CRJU 4425	Evaluation of Criminal Justice	3
Minor		3

SENIOR SECOND SEMESTER

H.B. & Soc Envir		3
CJ Concentration		3
CJ Concentration		3
Minor		3
Minor		3
General Elective.....		3

ENGLISH EDUCATION (B.A.)

FRESHMAN FIRST SEMESTER

ENGL 1104	Written English I.....	3
INFO 1100	Comp. Concepts and Appls.....	3
2nd field req. 3		
Liberal Studies - Artistic/Creative/Interdisciplinary elective.....		3
Liberal Studies - Society/Human Interaction elective		3

FRESHMAN SECOND SEMESTER

ENGL 1108	Written English II.....	3
ENGL 2220	World Literature I.....	3
SPCH 1100	Intro. to Speech Comm.....	3
EDUC 2200	Intro. to Education	3
2nd field req. 3		
Liberal Studies - College-level Math elective		3

SOPHOMORE FIRST SEMESTER

ENGL 2221	World Literature II.....	3
ENGL 3313	British Literature I.....	3
ENGL 3330	Study of English Lang. I	3

ENGL 2201	Instructional Technology.....	3
2nd field req.		3
Liberal Studies - Society/Human Interaction elective.....		3
Liberal Studies - Culture/Civilization Exploration elective		3

SOPHOMORE SECOND SEMESTER

ENGL 3304	American Literature II	3
ENGL 3314	British Literature II.....	3
ENGL 3331	Study of English Lang. II	3
EDUC 2202	Instructional Technology	3
EDUC 2201L	Lab: Clinical I	1
EDUC 3331	Reading in Content Areas	3
2nd field req.		3
Liberal Studies - Scientific Discovery elective		3

JUNIOR FIRST SEMESTER

ENGL 3303	American Literature I.....	3
ENGL 3332	Narrative & Descriptive Writing	3
ENGL 3—	Group A-D Elective	3
JOUR 3312	Publications Process	3
2nd field req.		3
Liberal Studies - Scientific Discovery elective		4

JUNIOR SECOND SEMESTER

ENGL	3374	Shakespeare.....	3
ENGL	3—	Group A-D Elective	3
ENGL	3—	Group A-D Elective	3
EDUC	3351	Human Excep & Cult. Div.	3
EDUC	3351L	Lab: Clinical II	1
EDUC	3352	Educational Psychology.....	3
EDUC	3351L	Lab: Clinical II	1
		2nd field req.	3
		Liberal Studies - Artistic/Creative/Interdisciplinary elective.....	3

SENIOR FIRST SEMESTER

ENGL	3355	Young Adult Literature	3
ENGL	3—	Group A-D Elective	3
ENGL	4431	English Methods	3
ENGL	3395	Second Class Org/Prac.	3
		2nd field req.	3

SENIOR SECOND SEMESTER

EDUC	4490	Student Teacher (Block)	8
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ENGLISH (B.A.)**FRESHMAN FIRST SEMESTER**

ENGL	1104	Written English I	3
INFO	1100	Comp. Concepts and Appls.	3
	1101	Foreign Language	3
		Liberal Studies - Artistic/Creative/Interdisciplinary elective.....	3
		Liberal Studies - Society/Human Interaction elective.....	3

FRESHMAN SECOND SEMESTER

ENGL	1108	Written English II.....	3
ENGL	2220	World Literature I.....	3
	1102	Foreign Language	3
		Liberal Studies - College-level Math elective	3
SPCH	1100	Intro. to Speech Communication.....	3

SOPHOMORE FIRST SEMESTER

ENGL	2221	World Literature II.....	3
ENGL	3303	American Literature I.....	3
	2201	Foreign Language	3
		Liberal Studies - Society/Human Interaction elective.....	3
		Minor elective	3

SOPHOMORE SECOND SEMESTER

ENGL	3304	American Literature II	3
ENGL	3313	British Literature II.....	3
	2202	Foreign Language	3
		Minor elective	3
		Liberal Studies - Scientific Discovery elective.....	4

JUNIOR FIRST SEMESTER

ENGL	3313	British Literature I	3
ENGL	3—	Group A-F Elective	3
ENGL	3—	Group A-F Elective	3
		Liberal Studies - Artistic/Creative/Interdisciplinary elective.....	3
		Liberal Studies - Scientific Discovery elective.....	4

JUNIOR SECOND SEMESTER

ENGL	3320	Literary Criticism.....	3
ENGL	3—	Group A-F Elective	3
		Liberal Studies - Culture/Civilization Exploration elective.....	3
		Minor elective	3
		Minor elective	3
		Minor elective	3

SENIOR FIRST SEMESTER

ENGL	3—	Group A-F Elective	3
ENGL	3—	Group A-F Elective	3
ENGL	3—	Lit. or Writing Option	3
		Minor elective	3
		Minor elective	3
		Minor elective	3

SENIOR SECOND SEMESTER

ENGL	3374	Shakespeare.....	3
ENGL	3—	Lit. or Writing Option	3
ENGL	3—	Lit or Writing Option.....	3
		Minor elective	3
		Minor elective	3

FRENCH (B.A.)**FRESHMAN FIRST SEMESTER**

FREN	1101	Elementary French I.....	3
INFO	1100	Comp. Concepts & Appls.	3
ENGL	1104	Written English	3
		Liberal Studies - Artistic/Creative/Interdisciplinary elective.....	3
		Liberal Studies - Society/Human Interaction elective.....	3

FRESHMAN SECOND SEMESTER

FREN	1102	Elementary French II	3
ENGL	2220	World Literature I.....	3
ENGL	1108	Written English II.....	3
		Liberal Studies - College-level Math elective	3
SPCH	1100	Intro. to Speech Comm.....	3
		Minor/elective	3

SOPHOMORE FIRST SEMESTER

FREN	2201	Intermediate French I	3
		Minor/elective	3
		Minor/elective	3
		Liberal Studies - Scientific Discovery elective.....	4
		Liberal Studies - Society/Human Interaction elective.....	3

SOPHOMORE SECOND SEMESTER

FREN	2202	Intermediate French II.....	3
		Minor/elective	3
		Minor/elective	3
		Minor/elective	3
		Liberal Studies - Scientific Discovery elective.....	3

JUNIOR FIRST SEMESTER

FREN	3311	French Composition I	3
		Minor/elective	3
		Minor/elective	3
		Minor/elective	3
		Minor/elective	3
		Minor/elective	3

JUNIOR SECOND SEMESTER

FREN	3312	French composition II.....	3
		Minor/elective	3
		Minor/elective	3
		Minor/elective	3
		Minor/elective	3
		Minor/elective	3

SENIOR FIRST SEMESTER

FREN	3314	French Civilization	3
FREN	3321	Contemporary Literature.....	3
		Minor/elective	3
		Minor/elective	3
		Minor/elective	3
		Minor/elective	3

SENIOR SECOND SEMESTER

FREN	4411	Advanced French Comp.	3
FREN	4426	Main Currents of Fr. Lit	3
		Minor/elective	3
		Minor/elective	3
		Minor/elective	3

HISTORY (B.A.)

FRESHMAN FIRST SEMESTER

ENGL	1104	Written English I.....	3
SPCH	1100	Intro. to Speech Communication.....	3
MATH	(any college level).....		3
HIST	1107	U.S. History I.....	3
Liberal Studies - Scientific Discovery elective.....			4

FRESHMAN SECOND SEMESTER

ENGL	1108	Written English	3
HIST	1108	U.S. History II	3
Liberal Studies - Scientific Discovery elective.....			4
INFO	1100	Comp. Concepts & Appls.....	3
Liberal Studies - Artistic/Creative/Interdisciplinary elective.....			3

SOPHOMORE FIRST SEMESTER

ENGL	2220/2221/2230	World Lit I, II/Intro to Lit. I	3
HIST	2211	World Civilization I	3
POLI	2240	Nonpar Statistics.....	3
SSCI/Humanities (#1)			3
FREN	1101	Elementary French I.....	3

SOPHOMORE SECOND SEMESTER

ENGL	2220/2221/2231	World Lit I, II/Intro Lit II	3
HIST	2212	World Civilizations II	3
SSCI/Hmanities #2			3
Minor field course (#1).....			3
History Elective #1			3
FREN	1102	Elementary French II	3

JUNIOR FIRST SEMESTER

HIST	2213	World Civilizations III	3
History Elective #2			3
History Elective #3			3
FREN	2201	Intermediate French I	3
Minor field course #2.....			3
ENGL	3332/3333	Narr Desc Writing / Writing.....	3

JUNIOR SECOND SEMESTER

History Elective #4			3
History Elective #5			3
Minor field course (#3).....			3
FREN	2202	Intermediate French II	3
Minor field course (#4).....			3

SENIOR FIRST SEMESTER

HIST	4498	Senior Seminar.....	3
History Elective (#6)			3
History Elective (#7)			3
Minor field course (#5).....			3
Minor field course (#6).....			3

SENIOR SECOND SEMESTER

History Elective (#8)			3
History Elective (#9)			3
Minor field course #7.....			3
Minor field course #8.....			3
Elective			3

HISTORY (B.S.)

FRESHMAN FIRST SEMESTER

ENGL	1104	Written English I.....	3
SPCH	1100	Intro. to Speech Comm.....	3
MATH	(any college level)		3
HIST	1107	U.S. History I	3
Liberal Studies - Scientific Discovery elective.....			4

FRESHMAN SECOND SEMESTER

ENGL	1108	Written English II	3
HIST	1108	U.S. History II	3

Liberal Studies - Scientific Discovery elective.....			4
INFO	1100	Comp. Concepts & Appls.....	3
Liberal Studies - Artistic/Creative/Interdisciplinary elective.....			3

SOPHOMORE FIRST SEMESTER

ENGL	2220/2221/2230	World Lit I, II/Intro to Lit I.....	3
HIST	2211	World Civilization I	3
POLI	2240	Nonpar Statistics.....	3
SSCI/Humanities (#1)			3
Elective			3
HIST Elective #1.....			3

SOPHOMORE SECOND SEMESTER

ENGL	2220/2221/2231	World Lit I, II/Intro to Lit II	3
HIST	2212	World Civilizations II	3
SSCI/Humanities #2			3
Minor field course (#2).....			3
HIST Elective #2.....			3

JUNIOR FIRST SEMESTER

HIST	2213	World Civilizations III	3
HIST Elective #3.....			3
HIST Elective #4.....			3
Minor field course (#2)			3
Minor field course (#3).....			3

JUNIOR SECOND SEMESTER

HIST Elective #5.....			3
HIST Elective #6.....			3
Minor field course (#4)			3
Minor field course (#5).....			3
HIST Soc Behav Elect #1			3

SENIOR FIRST SEMESTER

HIST	4498	Senior Seminar.....	3
HIST Elective #7.....			3
HIST Elective #8.....			3
Minor field course (#6).....			3
HIST Soc Behav Elect #2			3

SENIOR SECOND SEMESTER

HIST Elective #9.....			3
Minor field #7.....			3
Minor field #8.....			3
Elective			3
Elective			3

INTELLIGENCE RESEARCH ANALYSIS (B.S.)

FRESHMAN FIRST SEMESTER

HIST	1107	U.S. History I	3
POLI	1103	American Government	3
SCIE	1110	Scientific Discovery Option.....	4
MATH	1107	Fundamental Concepts	3
ENGL	1104	Written English I.....	3

FRESHMAN SECOND SEMESTER

HIST	1108	U.S. History II	3
SSCI	1101	Intro. to Intelligence Research	3
SCIE	1110	Scientific Discovery Option.....	4
ENGL	1108	Written English II.....	3
SPCH	1100	Intro. to Speech	3

SOPHOMORE FIRST SEMESTER

HIST	2213	World Civilization III.....	3
POLI	2204	Intro. to Public Administration	3
Foreign Language			3
POLI	2203	Comparative Government	3
INFO	1100	Comp. Con. & Appl. (or electives)	3

SOPHOMORE SECOND SEMESTER

HIST 3310	Diplomatic History.....	3
Foreign Language.....		3
POLI 2201	Prin. of Intl. Relations	3
Liberal Studies - Artistic/Creative/Interdisciplinary elective.....		3
Minor/Elective.....		3

JUNIOR FIRST SEMESTER

HIST 3301	Hist. of Intelligence & Natl. Sec.....	3
POLI 2240	Statistics	3
or		
SOCY 2240	Nonpar Statistics	3
POLI 3310	Political Theory	3
Foreign Language.....		3
Minor/Elective.....		3
Minor/Elective.....		3

JUNIOR SECOND SEMESTER

POLI 3340	Research Meth and Analysis	3
PHIL 3350	Comparative Religion	3
Foreign Language.....		3
POLI 3350	Inter. Law and Organizations	3
POLI 4405	Terrorism	3
or		
CRJU 4405	Terrorism	3
Minor/Elective.....		3

SENIOR FIRST SEMESTER

ENGL 2220/2230	Literature (or option).....	3
IRA elective		3
Liberal Studies - Artistic/Creative/Interdisciplinary elective.....		3
SSCI 1101	Intro. to Intelligence Research	3
Minor/Elective.....		3

SENIOR SECOND SEMESTER

SSCI 4450	IR & A Senior Seminar/Project	3
ENGL 2221/2231	Literature (or option).....	3
IRA elective.....		3
Minor/Elective.....		3
Minor/Elective.....		3

POLITICAL SCIENCE (B.S.)**FRESHMAN FIRST SEMESTER**

ENGL 1104	Written English I.....	3
POLI 1103	American Government.....	3
Liberal Studies - Scientific Discovery elective.....		4
Liberal Studies - College-level Math elective		3
Non POLI Hum. Elective		3

FRESHMAN SECOND SEMESTER

ENGL 1108	Written English II.....	3
POLI 2200	Intro. to Political Sci.	3
INFO 1100	Elective.....	3
Liberal Studies - Scientific Discovery elective.....		4
Liberal Studies - Artistic/Creative/Interdisciplinary elective.....		3

SOPHOMORE FIRST SEMESTER

ENGL 2220/2230	World Lit / Intro Lit. I.....	3
Foreign Language.....		3
POLI 2201	Prin. of Intl. Relations	3
POLI elective.....		3
SPCH 1100	Intro. to Speech Communication.....	3

SOPHOMORE SECOND SEMESTER

Foreign Language.....		3
ENGL 2221/2231	World Lit I / Intro Lit I	3
POLI 2203	Comparative Gov.....	3
Minor/Elective.....		3
Minor/Elective.....		3

JUNIOR FIRST SEMESTER

Foreign Language.....		3
POLI Elective		3
POLI 2240	Nonparametric Statistics	3
Minor/Elective.....		3
Minor/Elective.....		3
Minor/Elective.....		3

JUNIOR SECOND SEMESTER

Foreign Language.....		3
POLI 3340	Political Science Research Methods.....	3
Minor/Elective.....		3
Minor/Elective.....		3
Minor/Elective.....		3

SENIOR FIRST SEMESTER

POLI Elective		3
Liberal Studies - Artistic/Creative/Interdisciplinary elective.....		3
Minor/Elective.....		3
Minor/Elective.....		3
Minor/Elective.....		3
Minor/Elective.....		3

SENIOR SECOND SEMESTER

POLI Elective		3
POLI 4470	Seminar in Political Science	3
Minor/Elective.....		3
Minor/Elective.....		3
Minor/Elective.....		3

PSYCHOLOGY (B.S.)**FRESHMAN FIRST SEMESTER**

ENGL 1104	Written English I.....	3
PSYC 1101	Intro. to Psychology	3
Liberal Studies Courses		6-9
Minor.....		3

FRESHMAN SECOND SEMESTER

ENGL 1108	Written English II.....	3
PSYC 2220	History and Systems of Psychology	3
PSYC 2230	Social Psychology.....	3
MATH 1107	Fundamental Concepts	3
Liberal Studies Courses		6-9

SOPHOMORE FIRST SEMESTER

ENGL 2220	World Literature	3
or		
ENGL 2230	Intro. to Literature I.....	3
PSYC 2240	Statistics	3
PSYC 3300	Abnormal Psychology.....	3
Minor.....		3-6
Liberal Studies Courses		3-6

SOPHOMORE SECOND SEMESTER

ENGL 2221	World Literature	3
or		
ENGL 2231	Intro. to Literature II	3
PSYC 3390	Foundation of Psychology	3
PSYC 3310	Experimental Psychology	3
Minor.....		3-6
Liberal Studies Courses		3-6

JUNIOR FIRST SEMESTER

PSYC 3330	Developmental Psychology.....	3
PSYC 3370	Theories of Learning.....	3
PSYC Elective Specialization Course		3
Liberal Studies Courses (as needed).....		3-6

JUNIOR SECOND SEMESTER

PSYC 3350	Biopsychology	3
PSYC 4400	Psychometrics.....	3

General Elective.....	3-6
Liberal Studies Courses (as needed)	
SENIOR FIRST SEMESTER	
PSYC 4410 Theories of Psychology.....	3
PSYC Elective	3-6
General Elective (as needed)	
Liberal Studies Courses (as needed)	

SENIOR SECOND SEMESTER	
PSYC 4460 Seminar	3
PSYC Electives	3-6
General Elective (as needed)	
Liberal Studies Courses (as needed)	

SOCIOLOGY (B.S.)

FRESHMAN FIRST SEMESTER	
ENGL 1104 Written English I	3
CRJU 1100 Intro. to Criminal Justice.....	3
SPCH 1100 Intro. to Speech Communication.....	3
Liberal Studies - Culture/Civilization Exploration elective.....	3
Liberal Studies - Artistic/Creative/Interdisciplinary elective.....	3

FRESHMAN SECOND SEMESTER	
ENGL 1108 Written English II.....	3
CRJU 1101 Police Operations	3
CRJU 2206 Intro. to Corrections.....	3
Liberal Studies - Artistic/Creative/Interdisciplinary elective.....	3
Liberal Studies - Society/Human Interactive elective	3

SOPHOMORE FIRST SEMESTER	
ENGL 2220 World Literature I	3
or	
ENGL 2230 World Literature II.....	3
INFO 1100 Comp. Concepts and Appls.....	3
CRJU 2212 Abnormal Behavior & Crisis Intervention	3
Liberal Studies - College-level Math elective	3
Liberal Studies - Scientific Discovery elective.....	4

SOPHOMORE SECOND SEMESTER	
ENGL 2221 World Literature II.....	3
or	
ENGL 2231 Literature II.....	3
CRJU 2240 Adjudication Process	3
CRJU 2202 Principles of Criminal Law I.....	3
Liberal Studies - Society/Human Interaction elective.....	3
Liberal Studies - Scientific Discovery elective.....	4

JUNIOR FIRST SEMESTER	
CRJU 3320 Criminology.....	3
H.B. & Soc Envir	3
H.B. & Soc Envir	3
Minor.....	3
Elective	3

JUNIOR SECOND SEMESTER	
Criminal Justice Concentration	3
H.B. & Soc Envir	3
H.B. & Soc Envir	3
Criminal Justice Concentration	3
Minor.....	3
Minor.....	3

SENIOR FIRST SEMESTER	
H.B. & Soc Envir	3
H.B. & Soc Envir	3
Criminal Justice Concentration	3
CRJU 4410 Research.....	3
or	
CRJU 4425 Evaluation of Criminal Justice.....	3
Minor.....	3

SENIOR SECOND SEMESTER	
H.B. & Soc Envir	3
Criminal Justice Concentration	3
Criminal Justice Concentration	3
Minor.....	3
Minor.....	3
General Elective.....	3

SPANISH PROGRAM (B.A.)

FRESHMAN FIRST SEMESTER	
SPAN 1101 Elementary Spanish I.....	3
ENGL 1104 Written English I.....	3
INFO 1100 Comp. Concepts & Appls.....	3
Liberal Studies - Artistic/Creative/Interdisciplinary elective.....	3
Liberal Studies - Society/Human Interaction elective.....	3

FRESHMAN SECOND SEMESTER	
SPAN 1102 Elementary Spanish II.....	3
ENGL 1108 Written English II.....	3
Liberal Studies - Artistic/Creative/Interdisciplinary elective.....	3
Liberal Studies - College-level Math elective	3
SPCH 1100 Intro. to Speech Communication.....	3
Minor/Elective.....	3

SOPHOMORE FIRST SEMESTER	
SPAN 2201 Intermediate Spanish I	3
SPAN 1199 Special Topics.....	3
Liberal Studies Lit.....	3
Liberal Studies - Society/Human Interaction elective.....	3
Liberal Studies - Scientific Discovery elective.....	4
Minor/Elective.....	3

SOPHOMORE SECOND SEMESTER	
SPAN 2202 Intermediate Spanish II.....	3
SPAN 1199 Special Topics.....	3
Minor/Elective.....	3
Minor/Elective.....	3
Minor/Elective.....	3
Liberal Studies - Scientific Discovery elective.....	4

JUNIOR FIRST SEMESTER	
SPAN 3301 Spanish Comp. & Conv. I.....	3
SPAN 3310 Spanish Civ. & Culture	3
Minor/Elective.....	3
Minor/Elective.....	3
Minor/Elective.....	3

JUNIOR SECOND SEMESTER	
SPAN 3302 Spanish Comp. & Conv. II.....	3
SPAN 3320 Latin Amer. Civ. & Culture	3
Minor/Elective.....	3
Minor/Elective.....	3
Minor/Elective.....	3

SENIOR FIRST SEMESTER	
SPAN 3350 History of the Spanish Language	3
SPAN 4400 Survey of Latin American Literature	3
Minor/Elective.....	3
Minor/Elective.....	3
Minor/Elective.....	3

SENIOR SECOND SEMESTER	
SPAN 4401 Survey of Peninsular Literature	3
SPAN 4431 Methods: Span. Lang. Acq.	3
Minor/Elective.....	3
Minor/Elective.....	3
Minor/Elective.....	3

College of Science & Technology

ARCHITECTURAL ENGINEERING TECHNOLOGY (B.S.)

FRESHMAN FIRST SEMESTER

ENGL	1104	Written English I.....	3
MATH	1101	Applied Technical Math.....	3
ARCH	1130	Architectural History I.....	3
ART	1111	Art Fundamentals.....	3
SPCH	1100	Intro to Speech Communication.....	3

FRESHMAN SECOND SEMESTER

ENGL	1108	Written English II.....	3
MATH	1102	Applied Technical Math II.....	3
ARCH	1160	Architectural History II.....	3
ARCH	Elective	.....	3
ARCH	2225	Architectural CADD.....	3

SOPHOMORE FIRST SEMESTER

PHYS	1101	Intro to Physics.....	4
ARCH	2210	Design I.....	4
COMP	1101	Applied Technical Programing.....	3
CIVL	2210	Light Construction.....	4
Liberal Studies	-	Artistic/Creative/Interdisciplinary elective.....	3

SOPHOMORE SECOND SEMESTER

PHYS	1102	Intro. to Physics II.....	4
ARCH	2250	Design II.....	4
ARCH	2200	Graphics.....	3-4
or			
DRFT	2215	Architectural Drafting.....	
MECH	1100	Statics.....	3
Liberal Studies	-	Culture/Civilization Exploration elective.....	3

JUNIOR FIRST SEMESTER

ARCH	3300	Design II.....	4
ARCH	3320	Site Planning.....	3
CIVL	2220	Construction Materials and Methods.....	4
MECH	2200	Strength of Materials.....	4
Liberal Studies	-	Culture/Civilization Exploration elective.....	3

JUNIOR SECOND SEMESTER

ARCH	3350	Design IV.....	4
ARCH	4420	Urban Design & Pres.....	3
CIVL	2290	Intro to Structures.....	3
Liberal Studies	-	Culture/Civilization Exploration elective.....	3
Liberal Studies	-	Artistic/Creative/Interdisciplinary elective.....	3

SENIOR FIRST SEMESTER

ARCH	4450	Design V.....	4
ARCH	3310	Construction Details and Materials.....	4
ARCH	Elective	.....	3
Liberal Studies	-	Society/Human Interaction elective.....	3

SENIOR SECOND SEMESTER

ARCH	4460	Design VI.....	4
ARCH	4430	Mechical and Electronic Systems.....	3
ARCH	Elective	.....	3
Elective		.....	3
Liberal Studies	-	Society/Human Interaction elective.....	3

CIVIL ENGINEERING TECHNOLOGY (B.S.)

FRESHMAN FIRST SEMESTER

CIVL	2210	Light Construction.....	4
MATH	1101	Applied Technical Math I.....	3
INFO	1100	Computer Concepts & Applications.....	3
SPCH	1100	Intro to Speech Communication.....	3
ENGL	1104	Written English I.....	3

FRESHMAN SECOND SEMESTER

CIVL	2200	Intro to Surveying.....	3
MATH	1102	Applied Technical Math II.....	3
DRFT	2200	Fundamentals of CAD.....	3
CIVL	2220	Construction Materials.....	4
MECH	1100	Statics.....	3

SOPHOMORE FIRST SEMESTER

ENGL	1108	Written English II.....	3
or			
ENGL	1109	Technical Report Writing.....	
CIVL	2240	Construction, Land & Route Surveying.....	3
CHEM	1101	General Chemistry I.....	4
TECH	2290	Engineering Analysis I.....	4
MECH	2200	Strength of Materials.....	4

SOPHOMORE SECOND SEMESTER

CIVL	2230	Construction Estimating.....	3
CIVL	2280	Environment Engineering Technology I.....	3
CIVL	2290	INTor to Structures.....	3
CIVL	2275	Civil Engineering Graphics.....	3
ECON	2200	Economics.....	3
PHSC	1103	Geology.....	2

JUNIOR FIRST SEMESTER

CIVL	3305	Hydraulics & Hydrology.....	3
TECH	3300	Engineering Analysis II.....	4
PHYS	1101	Intro to Physics I.....	4
ENGL	1108	Written English II.....	3
or			
ENGL	1109	Technical Report Writing.....	

JUNIOR SECOND SEMESTER

CIVL	3340	Soil Mechanics & Envir. Geo.....	4
CIVL	4440	Structural Design.....	3
CHEM	1102	General Chemistry II.....	4
or			
PHYS	1102	Intro to Physics II.....	
Liberal Studies	-	Culture/Civilization Exploration elective.....	3
Liberal Studies	-	Artistic/Creative/Interdisciplinary elective.....	3

SENIOR FIRST SEMESTER

CIVL	4410	Advanced Structural Analysis.....	3
CIVL	4460	Environment Engineering Technology II.....	3
CIVL	4470	Adv. Soil Mechanics.....	3
Liberal Studies	-	Culture/Civilization Exploration elective.....	3
MECH	3320	Dynamics.....	3

SENIOR SECOND SEMESTER

CIVL	4420	Construction Planning & Admistration.....	3
Liberal Studies	-	Culture/Civilization Exploration elective.....	3
Liberal Studies	-	Artistic/Creative/Interdisciplinary elective.....	3
Liberal Studies	-	Society/Human Interaction elective.....	3
CIVL	4400	Highway Design.....	3

ELECTRONICS ENGINEERING TECHNOLOGY (B.S.)

FRESHMAN FIRST SEMESTER

ENGL	1104	Written English I.....	3
MATH	1101	Applied Tech. Math I.....	3
DRFT	1100	Engineering Graphics.....	3
ELEC	1100	Circuit Analysis I.....	3
ELEC	2200	Shop Practices.....	3
SPCH	1100	Intro. to Speech Communication.....	3

FRESHMAN SECOND SEMESTER

ENGL	1109	Tech. Report Writing.....	3
MATH	1102	Applied Tech. Math II.....	3
ELEC	2210	Circuit Analysis II.....	3
ELEC	2215	Basic Transistors.....	3
COMP	1101	Applied Tech. Program.....	3
ECON	2200	Intro. to Economics.....	3

SOPHOMORE FIRST SEMESTER

PHYS	1101	Intro. to Physics I.....	4
ELEC	2220	Linear Electronics.....	3
ELEC	2250	AC/DC Machinery/Cont.....	3
TECH	2290	Engineering Analysis I.....	4
ELEC	2230	Digital Electronics.....	3

SOPHOMORE SECOND SEMESTER

PHYS	1102	Intro. to Physics II.....	4
ELEC	2240	Industrial Electronics.....	3
ELEC	2280	Programmable Contr.....	3
ELEC	2270	Microcomputers.....	3
ELEC	2260	Communication Systems.....	3

JUNIOR FIRST SEMESTER

ELEC	3300	Adv. Linear Electronics.....	3
ENGL	1108	Written English II.....	3
SFTY	1100	Saf. & Env. Comp. Ind.....	3
TECH	3300	Engineering Analysis II.....	4
Liberal Studies - Culture/Civilization Exploration elective.....			3

JUNIOR SECOND SEMESTER

ELEC	3310	Adv. Microcomp. Sys.....	3
Liberal Studies - Culture/Civilization Exploration elective.....			3
TECH Elective.....			3
Liberal Studies - Artistic/Creative/Interdisciplinary elective.....			3
Liberal Studies - Society/Human Interaction elective.....			3

SENIOR FIRST SEMESTER

Liberal Studies - Culture/Civilization Exploration elective.....			3
ELEC	4400	Senior Elec. Project.....	3
CHEM	1101	General Chemistry.....	4
TECH Elective.....			3
Liberal Studies - Artistic/Creative/Interdisciplinary elective.....			3

SENIOR SECOND SEMESTER

ELEC	4410	Data Acq. & Cont. Sys.....	4
MANF	2250	Total Quality & SPC.....	3
TECH Elective.....			3
Elective.....			3

MECHANICAL ENGINEERING TECHNOLOGY (B.S.)

FRESHMAN FIRST SEMESTER

ENGL	1104	Written English I.....	3
MATH	1101	Applied Tech. Math I.....	3
DRFT	1100	Engineering Graphics.....	3
ECON	2200	Intro. to Economics.....	3
MANF	1100	Materials & Processes.....	3
SPCH	1100	Intro. to Speech Communication.....	3

FRESHMAN SECOND SEMESTER

ENGL	1108	Written English II.....	3
MATH	1102	Applied Tech. Math II.....	3
DRFT	2200	Fundamentals of CAD.....	3
COMP	1101	App. Technical Prog.....	3
MECH	1100	Statics.....	3

SOPHOMORE FIRST SEMESTER

PHYS	1101	Intro. to Physics I.....	4
ELEC	1100	Circuit Analysis I.....	3
MECH	2200	Strength of Materials.....	4
MECH	2210	Thermodynamics I.....	3
TECH	2290	Engineering Analysis I.....	4

SOPHOMORE SECOND SEMESTER

PHYS	1102	Intro. to Physics II.....	4
MECH	2220	Fluid Mechanics.....	3
MECH	2240	Machine Design I.....	3
ELEC	2250	AC/DC Machinery.....	3
DRFT	2235	Technical Drafting.....	3

JUNIOR FIRST SEMESTER

CHEM	1101	General Chemistry I.....	4
ENGL	1109	Tech. Report Writing.....	3
MECH	3300	Thermodynamics II.....	3
TECH	3300	Engineering Analysis II.....	4
Liberal Studies - Artistic/Creative/Interdisciplinary elective.....			3

JUNIOR SECOND SEMESTER

CHEM	1102	General Chemistry II.....	4
Liberal Studies - Culture/Civilization Exploration elective.....			3
MECH	3340	Heat, Vent. & Air. Cond.....	3
TECH Elective.....			3
Liberal Studies - Artistic/Creative/Interdisciplinary elective.....			3

SENIOR FIRST SEMESTER

Liberal Studies - Culture/Civilization Exploration elective.....			3
MECH	3320	Dynamics.....	3
MECH	3330	Heat Transfer I.....	3
TECH Elective.....			3
Liberal Studies - Culture/Civilization Exploration elective.....			3

SENIOR SECOND SEMESTER

MECH	4400	Mech. Measurements.....	3
MECH	4410	Thermodynamics III.....	3
MECH	4430	Heat Transfer II.....	3
TECH Elective.....			3
Liberal Studies - Society/Human Interaction elective.....			3

SAFETY/ENVIRONMENTAL ENGINEERING TECHNOLOGY (B.S.)

FRESHMAN FIRST SEMESTER

ENGL	1104	Written English I.....	3
MATH	1101	Applied Technical Math.....	3
MANF	1100	Materials and Processes.....	3
CHEM	1101	General Chemistry.....	4
SFTY	2201	Safety/Environmental Comps. Ind.....	3

FRESHMAN SECOND SEMESTER

ENGL	1108	Written English II.....	3
MATH	1102	Applied Technical Math II.....	3
SFTY	2202	Safety Tech & Practices.....	3
CHEM	1102	General Chemistry.....	4
SPCH	1100	Intro to Speech Communication.....	3

SOPHOMORE FIRST SEMESTER

PHYS	1101	Intro to Physics.....	4
SFTY	2250	Safety and Compliance.....	3
MECH	1100	Statistics.....	3
TECH	2290	Engineering Analysis.....	4
INFO	1100	Comp. Concepts and Appls.....	3

SOPHOMORE SECOND SEMESTER

BIOL	1170	Anatomy & Physiology.....	4
ENGL	1109	Technical Report Writing.....	3
PHYS	1102	Intro. to Physics.....	4
SFTY	2260	Fire Prevention/Inspection.....	3

JUNIOR FIRST SEMESTER

SFTY	3301	Intro to Industrial Hygiene.....	3
SFTY	3325	Environ. Hazard Control.....	3
SFTY	3310	Human Factors/Acc. Prev.	3
Liberal Studies - Artistic/Creative/Interdisciplinary elective.....			3
PSYC	1101	Intro to Psychology.....	3

JUNIOR SECOND SEMESTER

MANF	2250	Total Quality & SPC.....	3
SFTY	3302	Ind. Hygiene & Toxicology	3
SFTY	3330	Safety & Environ. Law	3
PSYC	2240	Statistics	4
TECH	Elective		3

SENIOR FIRST SEMESTER

SFTY	3303	Ind. Hygiene App./Practice.....	4
SFTY	4410	Safety Engineering Design.....	3
TECH	Elective		3
Liberal Studies - Culture/Civilization Exploration elective			3
Liberal Studies - Culture/Civilization Exploration elective			3

SENIOR SECOND SEMESTER

SFTY	4425	Sys. & Proc. Saf. Eng.	3
SFTY	4440	Man. & Eval. Saf. Prog.	3
Liberal Studies - Culture/Civilization Exploration elective.....			3
Liberal Studies - Society/Human Interaction elective.....			3
Liberal Studies - Artistic/Creative/Interdisciplinary elective.....			3
TECH	Elective		3

TECHNOLOGY EDUCATION (B.A.ED.)**FRESHMAN FIRST SEMESTER**

ENGL	1104	Written English I.....	3
INFO	1100	Computer Concepts & Applications	3
MANF	1100	Materials and Processes	3
MATH	1101	Applied Technical Math I.....	3
Liberal Studies - Society/Human Interaction elective.....			3
TECH	1104	Technical Design/Problem Solving.....	3

FRESHMAN SECOND SEMESTER

ENGL	1108	Written English II.....	3
MATH	1102	Applied Technical Math II	3
TECH	1150	Control Technology	3
Liberal Studies - Artistic/Creative/Interdisciplinary elective.....			3
TECH	2204	Construction I.....	4

SOPHOMORE FIRST SEMESTER

EDUC	2200	Introduction to Education	3
Liberal Studies - Scientific Discovery elective.....			4
TECH	1100	Technology and Society.....	3
SPCH	1100	Introduction to Speech Communication	3
TECH	3304	Construction II	4

SOPHOMORE SECOND SEMESTER

EDUC	2201	Instructional Technology	3
EDUC	2202	Human Growth and Development	3
EDUC	2202L	Clinical Experience I	1
TECH	2203	Manufacturing I.....	4
DRFT	2200	Fundamentals of CAD	3
Liberal Studies - Scientific Discovery elective.....			4

JUNIOR FIRST SEMESTER

TECH	2202	Transportation I.....	4
EDUC	3331	Reading in Control Area.....	3
TECH	3301	Communication	4
TECH	3302	Manufacturing II	4
Liberal Studies - Society/Human Interaction elective.....			3

JUNIOR SECOND SEMESTER

EDUC	3351	Excep./Cultural Diversity.....	3
EDUC	3351L	Clinical Experience II.....	1
EDUC	3352	Educational Psychology.....	3
EDUC	3352L	Clinical Experience II	1
TECH	3303	Transportation II.....	4
TECH	3331	Organ./Adm. Tech. Ed.....	4

SENIOR FIRST SEMESTER

Liberal Studies - Culture/Civilization Exploration elective.....			3
Liberal Studies - Culture/Civilization Exploration elective.....			3
Liberal Studies - Culture/Civilization Exploration elective.....			3
Liberal Studies - Society/Human Interaction elective.....			3
TECH	4431	Methods and Materials.....	3
Liberal Studies - Artistic/Creative/Interdisciplinary elective.....			3

SENIOR SECOND SEMESTER

Initial Performance Practicum			
EDUC	3395	Secondary Class. Org.....	4
EDUC	4495	Student Teaching.....	8

School of Business

ACCOUNTING (B.S.)**FRESHMAN FIRST SEMESTER**

ENGL	1104	Written English I.....	3
SPCH	1100	Introduction to Speech.....	3
INFO	1100	Computer Concepts and Applications	3
ACCT	2201	Principles of Accounting I	3
Liberal Studies - Scientific Discovery elective.....			4

FRESHMAN SECOND SEMESTER

ENGL	1108	Written English II.....	3
MATH	1112	College Algebra	3
INFO	2235	Microcomputer Applications in Business.....	3
ACCT	2202	Principles of Accounting II.....	3
Liberal Studies - Scientific Discovery elective.....			4

SOPHOMORE FIRST SEMESTER

ACCT	3301	Intermediate Accounting I	3
ECON	2201	Economic Principles and Problems	3
MGMT	2209	Principles of Management	3
Liberal Studies - Culture/Civilization Exploration elective.....			3
Liberal Studies - Artistic/Creative/Interdisciplinary elective.....			3

SOPHOMORE SECOND SEMESTER

ACCT	3302	Intermediate Accounting II	3
ECON	2202	Economics Principles and Problems II	3
MKTG	2204	Principles of Marketing	3
FINC	2201	Introduction to Financial Management	3
INFO	2200	Fundamentals of Information Systems	3

JUNIOR FIRST SEMESTER

ACCT	3330	Advanced Accounting I	3
ACCT	3325	Intermediate Accounting III.....	3
ACCT	3350	Accounting Information Systems	3
BUSN	3306	Business Law I.....	3
BUSN	2251	Corporate Communications.....	3

JUNIOR SECOND SEMESTER

ACCT	3331	Advanced Accounting II.....	3
ACCT	4404	Cost Accounting.....	3
BUSN	3310	Business and Economics Statistics.....	3
BUSN	3307	Business Law II.....	3
BUSN	3320	International Business	3
Liberal Studies - Culture/Civilization Exploration elective.....			3

SENIOR FIRST SEMESTER

ACCT	4406	Fed. Income Tax Accounting Individual	3
ACCT	4405	Auditing.....	3
BUSN	4415	Strategic Management and Policy	3
Liberal Studies - Society/Human Interaction elective			3
Elective			3

SENIOR SECOND SEMESTER

ACCT	4407	Fed. Inc. Tax Accounting: Partnership & Corp.	3
ACCT	4410	Case Studies in Accounting.....	3
Liberal Studies - Artistic/Creative/Interdisciplinary elective.....			3
Elective			3
Elective			3

ENTREPRENEURIAL STUDIES (B.S.)**FRESHMAN FIRST SEMESTER**

ENGL	1104	Written English I.....	3
SPCH	1100	Introduction to Speech	3
INFO	1100	Computer Concepts and Applications	3
ECON	2201	Economic Principles and Problems I.....	3
Liberal Studies - Scientific Discovery elective.....			4

FRESHMAN SECOND SEMESTER

ENGL	1108	Written English II.....	3
MATH	1112	College Algebra.....	3
INFO	2235	Microcomputer Applications in Business.....	3
ECON	2202	Economic Principles and Problems II.....	3
Liberal Studies - Scientific Discovery elective.....			4

SOPHOMORE FIRST SEMESTER

ACCT	2201	Principles of Accounting.....	3
MKTG	2204	Principles of Marketing I.....	3
Liberal Studies - Culture/Civilization Exploration elective			3
Liberal Studies - Artistic/Creative/Interdisciplinary elective.....			3
Minor/elective			3
Minor/elective			3

SOPHOMORE SECOND SEMESTER

ACCT	2202	Principles of Accounting II.....	3
MGMT	2209	Principles of Management	3
Liberal Studies - Culture/Civilization Exploration elective			3
Liberal Studies - Artistic/Creative/Interdisciplinary elective.....			3
Major/elective			3
Minor/elective			3

JUNIOR FIRST SEMESTER

BUSN	3306	Business Law I.....	3
FINC	2201	Introduction to Financial Management	3
Liberal Studies - Culture/Civilization Exploration elective.....			3
Major/elective			3
Major/elective			3
Minor/elective			3

JUNIOR SECOND SEMESTER

BUSN	3310	Business and Economics Statistics.....	3
BUSN	3307	Business Law II.....	3
Liberal Studies - Society/Human Interaction elective			3
Major/elective			3
Minor/elective			3

SENIOR FIRST SEMESTER

BUSN	2251	Corporate Communications.....	3
INFO	2200	Fundamentals of Information Systems	3
Liberal Studies - Society/Human Interaction elective			3
Major/elective			3
Major/elective			3

SENIOR SECOND SEMESTER

BUSN	4415	Strategic Management and Policy	3
Minor/elective			3

Minor/elective	3
Minor/elective	3

FINANCE (B.S.)**FRESHMAN FIRST SEMESTER**

ENGL	1104	Written English I.....	3
SPCH	1100	Introduction to Speech	3
INFO	1100	Computer Concepts and Applications	3
ECON	2201	Economic Principles and Problems I.....	3
Liberal Studies - Scientific Discovery elective			4

FRESHMAN SECOND SEMESTER

ENGL	1108	Written English II.....	3
MATH	1112	College Algebra	3
INFO	2235	Microcomputer Applications in Bus.	3
ECON	2202	Economics Principles and Problems II.....	3
Liberal Studies - Scientific Discovery elective			4

SOPHOMORE FIRST SEMESTER

ACCT	2201	Principles of Accounting I.....	3
MGMT	2209	Principles of Management	3
BUSN	2251	Corporate Communications.....	3
Liberal Studies - Culture/Civilization Exploration elective			3
Liberal Studies - Artistic/Creative/Interdisciplinary elective.....			3

SOPHOMORE SECOND SEMESTER

ACCT	2202	Principles of Accounting II.....	3
MKTG	2204	Principles of Marketing	3
FINC	2201	Introduction to Financial Management	3
Liberal Studies - Culture/Civilization Exploration elective			3
Liberal Studies - Artistic/Creative/Interdisciplinary elective.....			3

JUNIOR FIRST SEMESTER

BUSN	3306	Business Law I.....	3
FINC	3350	Investments	3
BUSN	3310	Business and Economics Statistics.....	3
BUSN	3320	International Business	3
Liberal Studies - Culture/Civilization Exploration elective			3
Minor/elective			3

JUNIOR SECOND SEMESTER

BUSN	3307	Business Law II.....	3
INFO	2220	Fundamentals of Information Systems.....	3
FINC	3307	Personal Finance	3
FINC	3384	Bank Management.....	3
Liberal Studies - Society/Human Interaction elective			3
Minor/elective			3

SENIOR FIRST SEMESTER

FINC	4410	Managerial Finance.....	3
FINC	3385	Analyzing Financial Statements	3
Minor/elective			3
Minor/elective			3
Minor/elective			3

SENIOR SECOND SEMESTER

FINC	4412	PC Applications of Managerial Finance	3
BUSN	4415	Strategic Management and Policy	3
Minor/elective			3
Minor/elective			3
Minor/elective			3

GENERAL BUSINESS (B.S.)**FRESHMAN FIRST SEMESTER**

ENGL	1104	Written English I.....	3
SPCH	1100	Introduction to Speech	3
INFO	1100	Computer Concepts and Applications	3
ECON	2201	Economic Principles and Problems I.....	3
Liberal Studies - Scientific Discovery elective.....			4

FRESHMAN SECOND SEMESTER

ENGL	1108	Written English II.....	3
MATH	1112	College Algebra.....	3
INFO	2235	Microcomputer Applications in Business.....	3
ECON	2202	Economic Principles and Problems II.....	3
Liberal Studies - Scientific Discovery elective.....			4

SOPHOMORE FIRST SEMESTER

ACCT	2201	Principles of Accounting.....	3
MKTG	2204	Principles of Marketing I.....	3
Liberal Studies - Culture/Civilization Exploration elective.....			3
Liberal Studies - Artistic/Creative/Interdisciplinary elective.....			3
Minor/elective.....			3
Minor/elective.....			3

SOPHOMORE SECOND SEMESTER

ACCT	2202	Principles of Accounting II.....	3
MGMT	2209	Principles of Management.....	3
Liberal Studies - Culture/Civilization Exploration elective.....			3
Liberal Studies - Artistic/Creative/Interdisciplinary elective.....			3
Major/elective.....			3
Minor/elective.....			3

JUNIOR FIRST SEMESTER

BUSN	3306	Business Law I.....	3
FINC	2201	Introduction to Financial Management.....	3
Liberal Studies - Culture/Civilization Exploration elective.....			3
Major/elective.....			3
Major/elective.....			3
Minor/elective.....			3

JUNIOR SECOND SEMESTER

BUSN	3310	Business and Economics Statistics.....	3
BUSN	3307	Business Law II.....	3
Liberal Studies - Society/Human Interaction elective.....			3
Major/elective.....			3
Minor/elective.....			3

SENIOR FIRST SEMESTER

BUSN	2251	Corporate Communications.....	3
INFO	2200	Fundamentals of Information Systems.....	3
Liberal Studies - Society/Human Interaction elective.....			3
Major/elective.....			3
Major/elective.....			3

SENIOR SECOND SEMESTER

BUSN	4415	Strategic Management and Policy.....	3
Minor/elective.....			3
Minor/elective.....			3
Minor/elective.....			3

INFORMATION SYSTEMS (B.S.)**FRESHMAN FIRST SEMESTER**

ENGL	1104	Written English I.....	3
SPCH	1100	Introduction to Speech.....	3
INFO	1100	Computer Concepts and Applications.....	3
ACCT	2201	Principles of Accounting I.....	3
Liberal Studies - Scientific Discovery elective.....			4

FRESHMAN SECOND SEMESTER

ENGL	1108	Written English II.....	3
MATH	1112	College Algebra.....	3
INFO	2235	Microcomputer Applications in Business.....	3
ACCT	2202	Principles of Accounting II.....	3
Liberal Studies - Scientific Discovery elective.....			4

SOPHOMORE FIRST SEMESTER

ACCT	2201	Principles of Accounting.....	3
INFO	2205	Info. Tech.-Hardware and Operating Systems.....	3
INFO	2200	Fundamentals of Information Systems.....	3
MGMT	2209	Principles of Management.....	3
Liberal Studies - Culture/Civilization Exploration elective.....			3

SOPHOMORE SECOND SEMESTER

ACCT	2202	Principles of Accounting II.....	3
COMP	1102	Principles of Programming I.....	3
INFO	2250	Networking Fundamentals.....	3
MKTG	2204	Principles of Marketing.....	3
Liberal Studies - Culture/Civilization Exploration elective.....			3

JUNIOR FIRST SEMESTER

BUSN	3306	Business Law I.....	3
FINC	2201	Introduction to Financial Management.....	3
INFO	3339	Programming, Data, and Files Structures.....	4
Liberal Studies - Culture/Civilization Exploration elective.....			3
Liberal Studies - Artistic/Creative/Interdisciplinary elective.....			3

JUNIOR SECOND SEMESTER

INFO	3310	Systems Analysis and Design.....	3
INFO	3340	Advanced Application Development.....	4
BUSN	2251	Corporate Communications.....	3
Liberal Studies - Society/Human Interaction elective.....			3
Liberal Studies - Artistic/Creative/Interdisciplinary elective.....			3

SENIOR FIRST SEMESTER

BUSN	3310	Business and Economics Statistics.....	3
BUSN	3320	International Business.....	3
INFO	4430	Special Topics in Information Systems.....	3
Minor/elective.....			3
Minor/elective.....			3
Minor/elective.....			3

SENIOR SECOND SEMESTER

BUSN	4415	Strategic Management and Policy.....	3
INFO	3350	Internship in Information Systems.....	3
INFO	4420	Database Design and Implementation.....	3
Minor/elective.....			3
Minor/elective.....			3
Minor/elective.....			2

MANAGEMENT (B.S.)*(Business Management Emphasis)***FRESHMAN FIRST SEMESTER**

ENGL	1104	Written English I.....	3
SPCH	1100	Introduction to Speech.....	3
INFO	1100	Computer Concepts and Applications.....	3
ECON	2201	Economic Principles and Problems I.....	3
Liberal Studies - Scientific Discovery elective.....			4

FRESHMAN SECOND SEMESTER

ENGL	1108	Written English II.....	3
MATH	1112	College Algebra.....	3
INFO	2235	Microcomputer Applications in Business.....	3
ECON	2202	Economic Principles and Problems II.....	3
Liberal Studies - Scientific Discovery elective.....			4

SOPHOMORE FIRST SEMESTER

ACCT	2201	Principles of Accounting I.....	3
MGMT	2209	Principles of Management.....	3
BUSN	2205	Small Business Fundamentals.....	3
Liberal Studies - Artistic/Creative/Interdisciplinary elective.....			3
Liberal Studies - Culture/Civilization Exploration elective.....			3
Liberal Studies - Society/Human Interaction elective.....			3

SOPHOMORE SECOND SEMESTER

ACCT	2202	Principles of Accounting II.....	3
FINC	2201	Introduction to Financial Management.....	3
MKTG	2204	Principles of Marketing.....	3
Liberal Studies - Artistic/Creative/Interdisciplinary elective.....			3
Liberal Studies - Culture/Civilization Exploration elective.....			3

JUNIOR FIRST SEMESTER

BUSN	2251	Corporate Communications.....	3
BUSN	3306	Business Law I.....	3

MGMT 3308	Human Resource Management.....	3
INFO 2200	Fundamentals of Information Systems.....	3
Liberal Studies - Culture/Civilization Exploration elective.....		3
Minor/elective.....		3

JUNIOR SECOND SEMESTER

BUSN 3310	Business Economics and Statistics.....	3
BUSN 3320	International Business.....	3
MGMT 3390	Organizational Behavior.....	3
Major/elective.....		3
Minor/elective.....		3

SENIOR FIRST SEMESTER

MGMT 4402	Organizational Change and Development.....	3
Major/elective.....		3
Minor/elective.....		3
Minor/elective.....		3
Minor/elective.....		3

SENIOR SECOND SEMESTER

MGMT 4405	Operations Management.....	3
MGMT 4409	Quantitative Management.....	3
BUSN 4415	Strategic Management and Policy.....	3
Minor/elective.....		3
Minor/elective.....		3
Minor/elective.....		3

MANAGEMENT (B.S.)

(Human Resources Management Emphasis)

FRESHMAN FIRST SEMESTER

ENGL 1104	Written English I.....	3
SPCH 1100	Introduction to Speech.....	3
INFO 1100	Computer Concepts and Applications.....	3
ACCT 2201	Principles of Accounting I.....	3
Liberal Studies - Scientific Discovery elective.....		4

FRESHMAN SECOND SEMESTER

ENGL 1108	Written English II.....	3
MATH 1112	College Algebra.....	3
INFO 2235	Microcomputer Applications in Business.....	3
ACCT 2202	Principles of Accounting II.....	3
Liberal Studies - Scientific Discovery elective.....		4

SOPHOMORE FIRST SEMESTER

ACCT 2201	Principles of Accounting I.....	3
MKTG 2204	Principles of Marketing.....	3
BUSN 2205	Small Business Fundamentals.....	3
MGMT 2209	Principles of Management.....	3
Liberal Studies - Culture/Civilization Exploration elective.....		3
Liberal Studies - Artistic/Creative/Interdisciplinary elective.....		3

SOPHOMORE SECOND SEMESTER

ACCT 2202	Principles of Accounting II.....	3
MGMT 3308	Human Resource Management.....	3
BUSN 2251	Corporate Communications.....	3
Liberal Studies - Society/Human Interaction elective.....		3
Liberal Studies - Artistic/Creative/Interdisciplinary elective.....		3
Liberal Studies - Culture/Civilization Exploration elective.....		3

JUNIOR FIRST SEMESTER

BUSN 3306	Business Law I.....	3
MGMT 3390	Organizational Behavior.....	3
INFO 2200	Fundamentals of Information Systems.....	3
POLI 2204	Introduction to Public Administration.....	3
Liberal Studies - Culture/Civilization Exploration elective.....		3

JUNIOR SECOND SEMESTER

BUSN 3310	Business and Economics Statistics.....	3
BUSN 3320	International Business.....	3
FINC 2201	Introduction to Financial Management.....	3
SOCY 3360	Methods of Social Research.....	3
Major/elective.....		3

SENIOR FIRST SEMESTER

MGMT 4402	Organizational Change and Development.....	3
Major/elective.....		3
Minor/elective.....		3
Minor/elective.....		3
Minor/elective.....		3

SENIOR SECOND SEMESTER

BUSN 3319	Employment Law.....	3
BUSN 4415	Strategic Management and Policy.....	3
Major/elective.....		3
Pub. Adm. Elective.....		3
Minor/elective.....		3

MARKETING (B.S.)

FRESHMAN FIRST SEMESTER

ENGL 1104	Written English I.....	3
SPCH 1100	Introduction to Speech.....	3
INFO 1100	Computer Concepts and Applications.....	3
ECON 2201	Economics Principles and Problems I.....	3
Liberal Studies - Scientific Discovery elective.....		4

FRESHMAN SECOND SEMESTER

ENGL 1108	Written English II.....	3
MATH 1112	College Algebra.....	3
INFO 2235	Microcomputer Applications in Business.....	3
ECON 2202	Economic Principles and Problems II.....	3
Liberal Studies - Scientific Discovery elective.....		4

SOPHOMORE FIRST SEMESTER

ACCT 2201	Principles of Accounting I.....	3
MGMT 2209	Principles of Management.....	3
Liberal Studies - Culture/Civilization Exploration elective.....		3
Liberal Studies - Society/Human Interaction elective.....		3
Liberal Studies - Culture/Civilization Exploration elective.....		3

SOPHOMORE SECOND SEMESTER

ACCT 2202	Principles of Accounting.....	3
MKTG 2204	Principles of Marketing.....	3
BUSN 2251	Corporate Communications.....	3
Liberal Studies - Society/Human Interaction elective.....		3
Liberal Studies - Artistic/Creative/Interdisciplinary elective.....		3
Liberal Studies - Culture/Civilization Exploration elective.....		3

JUNIOR FIRST SEMESTER

BUSN 3306	Business Law I.....	3
FINC 2201	Introduction to Financial Management.....	3
Liberal Studies - Artistic/Creative/Interdisciplinary elective.....		3
Major/elective.....		3
Major/elective.....		3

JUNIOR SECOND SEMESTER

BUSN 3310	Business and Economics Statistics.....	3
BUSN 3320	International Business.....	3
INFO 2200	Fundamentals of Information Systems.....	3
Liberal Studies - Artistic/Creative/Interdisciplinary elective.....		3
Major/elective.....		3
Minor/elective.....		3

SENIOR FIRST SEMESTER

BUSN 4415	Strategic Management and Policy.....	3
MKTG 3340	Marketing Research.....	3
Major/elective.....		3
Minor/elective.....		3
Minor/elective.....		3

SENIOR SECOND SEMESTER

MKTG 4450	Marketing Management.....	3
Minor/elective.....		3
Minor/elective.....		3
Minor/elective.....		3
Minor/elective.....		3

SPORTS MANAGEMENT (B.S.)

FRESHMAN FIRST SEMESTER

ENGL	1104	Written English I.....	3
SPCH	1100	Introduction to Speech.....	3
INFO	1100	Computer Concepts & Applications.....	3
ECON	2201	Economic Principles and Problems I.....	3
Liberal Studies - Scientific Discovery elective.....			4

FRESHMAN SECOND SEMESTER

ENGL	1108	Written English II.....	3
MATH	1112	College Algebra.....	3
INFO	2235	Microcomputer Applications in Business.....	3
ECON	2202	Economic Principles and Problems II.....	3
Liberal Studies - Scientific Discovery elective.....			4

SOPHOMORE FIRST SEMESTER

PSYC	1101	Introduction to Psychology I.....	3
ACCT	2201	Principles of Accounting I.....	3
MKTG	2204	Principles of Marketing.....	3
PHED	1100	Fitness and Wellness.....	2
Liberal Studies - Artistic/Creative/Interdisciplinary elective.....			3
Major/elective.....			3

SOPHOMORE SECOND SEMESTER

FOSM	1110	Nutrition.....	3
BUSN	2251	Corporate Communications.....	3
SOCY	1110	Introductory Sociology.....	3
MGMT	2209	Principles of Management.....	3
INFO	2200	Fundamentals of Information Systems.....	3

JUNIOR FIRST SEMESTER

PHED	2211	Anatomy and Physiology.....	4
BUSN	3306	Business Law I.....	3
SAFE	2200	Accident Analysis & Emergency Care.....	2
FINC	2201	Introduction to Managerial Finance.....	3
PHED	3318	Sport Social Psychology.....	2
Liberal Studies - Culture/Civilization Exploration elective.....			3

JUNIOR SECOND SEMESTER

PHED	2212	Physiology of Exercise.....	3
Liberal Studies - Culture/Civilization Exploration elective.....			3
Liberal Studies - Culture/Civilization Exploration elective.....			3
Major/elective.....			3
Minor/elective.....			3
Minor/elective.....			3

SENIOR FIRST SEMESTER

PHED	3320	Lifespan Motor Development.....	3
BUSN	3310	Business and Economics Statistics.....	3
PHED	3357	Medical-Legal Aspects of Sports Coaching.....	2
BUSN	3320	International Business.....	3
Major/elective.....			3

SENIOR SECOND SEMESTER

PHED	3399	Sport Management Internship.....	3
BUSN	4420	Business and Society.....	3
BUSN	4415	Strategic Management and Policy.....	3
Major/elective.....			3
Major/elective.....			3

School of Education

EXERCISE SCIENCE (B.S.)

FRESHMAN FIRST SEMESTER

HLTA	1150	Intro. to Health.....	3
SCIE	1199	Human Biology.....	4
MATH	1107	Fund. Concepts of Math.....	3
ENGL	1104	Written English.....	3

PHED	1121	Intro. to Human Movement.....	2
PHED	1100	Fitness & Wellness.....	2

FRESHMAN SECOND SEMESTER

Liberal Studies - Scientific Discovery elective.....			4
INFO	1100	Comp. Concepts & Appl.....	3
SOCY	1110	Introductory Sociology.....	3
SPCH	1100	Intro. to Speech Communication.....	3
ENGL	1108	Written English II.....	3

SOPHOMORE FIRST SEMESTER

PHED	2211	Anatomy & Physiology.....	4
CHEM	1101	General Chemistry.....	4
PSYC	1101	Intro. to Psychology.....	3
Liberal Studies - Culture/Civilization Exploration elective.....			3
SAFE	2200	Acc. Analysis & Emer. Care.....	2

SOPHOMORE SECOND SEMESTER

Liberal Studies - Artistic/Creative/Interdisciplinary elective.....			4
FOSM	1100	Nutrition.....	3
Second Field Requirement.....			3
Liberal Studies - Culture/Civilization Exploration elective.....			3
PHED	3313	Biomechanics.....	3

JUNIOR FIRST SEMESTER

PHED	2212	Physiology of Exercise.....	3
2nd Field Requirement.....			3
2nd Field Requirement.....			3
2nd Field Requirement.....			3
Liberal Studies - Artistic/Creative/Interdisciplinary elective.....			3
Liberal Studies - Culture/Civilization Exploration elective.....			3

JUNIOR SECOND SEMESTER

PHED	3318	Sport Social Psychology.....	3
PHED	3320	Lifespan Motor Development.....	3
PHED	3316	Fitness Assessment & P.....	3
2nd Field Requirement.....			3
Liberal Studies Requirement - Writing Intensive Course.....			3

SENIOR FIRST SEMESTER

PHED	4400	Research Methods.....	3
2nd Field Requirement.....			3
2nd Field Requirement.....			9

SENIOR SECOND SEMESTER

PHED	4410	Research Design.....	3
PHED	4420	Exer. Science Internship.....	3
2nd Field Requirement.....			9

HEALTH SCIENCE (B.S.)

FRESHMAN FIRST SEMESTER

HLTA	1150	Intro. to Health.....	3
SCIE	1199	Human Biology.....	4
MATH	1107	Fund. Concepts of Math.....	3
ENGL	1104	Written English.....	3
SPCH	1100	Intro. to Speech Communication.....	3
PHED	1100	Fitness & Wellness.....	2

FRESHMAN SECOND SEMESTER

Liberal Studies - Scientific Discovery elective.....			4
INFO	1100	Comp. Concepts & Appl.....	3
SOCY	1110	Introductory Sociology.....	3
HLTA	2202	Comm. & Envir. Health.....	3
ENGL	1108	Written English II.....	3

SOPHOMORE FIRST SEMESTER

PHED	2211	Anatomy & Physiology.....	4
HLTA	3370	Cont. & Drug Beh. Issues.....	3
PSYC	1101	Intro. to Psychology.....	3
Liberal Studies - Culture/Civilization Exploration elective.....			3
2nd Field Requirement.....			3

SOPHOMORE SECOND SEMESTER

CHEM	1101	General Chemistry.....	4
FOSM	1100	Nutrition.....	3
PSYC	2230	Social Psychology.....	3
Liberal Studies - Culture/Civilization Exploration elective.....			3
SOCY	2200	Social Problems.....	3

JUNIOR FIRST SEMESTER

CHEM	1102	General Chemistry.....	4
2nd Field Requirement.....			3
2nd Field Requirement.....			3
Liberal Studies - Artistic/Creative/Interdisciplinary elective.....			3
PSYC	2250	Community Psychology.....	3

JUNIOR SECOND SEMESTER

HLTA	4415	Human Sexuality.....	3
2nd Field Requirement.....			3
2nd Field Requirement.....			3
2nd Field Requirement.....			3
Liberal Studies - Culture/Civilization Exploration elective.....			3
Liberal Studies - Artistic/Creative/Interdisciplinary elective.....			3

SENIOR FIRST SEMESTER

HLTA	4410	Seminar in Public Health.....	3
BUSN	3310	Statistics.....	3
2nd Field Requirement.....			9
Liberal Studies - Intensive Writing Course.....			3

SENIOR SECOND SEMESTER

HLTA	4450	Field Prac. in Public Health.....	4
2nd Field Requirement.....			12

SUMMER SEMESTER

Liberal Studies.....	3
Liberal Studies.....	3

JUNIOR FIRST SEMESTER

ART	3383	Pottery I.....	3
ART		Art History.....	3
EDUC	3302	Education.....	3
ART	3355	Problems in Teaching Art I.....	2
ART Elective.....			3
Liberal Studies.....			3

JUNIOR SECOND SEMESTER

ART	3341	Print Making.....	3
ART Elective.....			3
ART	3384	Pottery II.....	3
EDUC	3303	Education.....	3
ART	3356	Problems in Teaching Art II.....	2
Liberal Studies.....			3

SUMMER SEMESTER

Liberal Studies.....	3
Liberal Studies.....	3

SENIOR SEMESTER

ART	4470	Senior Exhibit.....	1
ART	4431	Methods & Materials.....	3
ART Elective.....			3
ART Elective.....			3
ART		Art History.....	3
Liberal Studies.....			3

SENIOR SECOND SEMESTER

BLOCK	Student Teaching.....	15
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School of Fine Arts

ART (B.A.Ed.) (requires second field)

FRESHMAN FIRST SEMESTER

ENGL	1104	Written English I.....	3
MATH	1110	Math for Elem. Teachers I.....	3
ART	1140	Art Structure & Applied Design I.....	3
ART	1142	Drawing.....	3
PHED	1100	Fitness and Wellness.....	2
SPCH	1100	Intro. to Speech Communication.....	3

FRESHMAN SECOND SEMESTER

ENGL	1108	Written English II.....	3
ART		Art History.....	3
ART	1141	Art Structure & Applied Design II.....	3
ART	2261	Painting.....	3
Liberal Studies.....			3

SUMMER SEMESTER

EDUC	2202	Human Growth & Development.....	3
Liberal Studies.....			3

SOPHOMORE FIRST SEMESTER

ART	3363	Watercolor.....	3
ART	3363	Art History.....	3
ART	2283	Modeling & Sculpture.....	3
ENGL	Lit.	.....	3
EDUC	2200	Intro. to Education.....	3
Liberal Studies.....			3

SOPHOMORE SECOND SEMESTER

ART	2284	Modeling & Sculpture.....	3
ART		Art History.....	3
ART	2262	Painting.....	3
ENGL	Lit.	.....	3
EDUC	2260	Education.....	3
Liberal Studies.....			3

GRAPHICS FINE ARTS (2+2)

FRESHMAN FIRST YEAR

GRAF	1100	Graphic Communication Processes.....	3
ART	1141	Art Structure & Applied Design I.....	3
ART	1142	Drawing.....	3
GRAF	1150	Computer App. to Graphics.....	3
SPCH	1100	Intro. to Speech Communication.....	3
ENGL	1104	Written English.....	3

FRESHMAN SECOND SEMESTER

GRAF	2200	Intro. to Desktop Publishing.....	3
-or-			
OADM	2250	Desktop Publishing.....	3
ENGL	1108	Written English II.....	3
ART	1141	Art Structure & Applied Design II.....	3
ART	2241	Drawing from Life.....	3

SOPHOMORE FIRST SEMESTER

GRAF	2225	Basic Photography.....	3
GRAF	2230	Graphics Design.....	3
GRAF	1125	Multimedia Concepts.....	3
ART elective.....			3
DRFT	1100	Engineering Drafting.....	3

SOPHOMORE SECOND SEMESTER

GRAF elective.....			3
GRAF	2250	Graphics Practicum.....	4
INFO	1100	Comp. Concepts & Appls.....	3
MATH	1107	Fundamental Concepts.....	3
Liberal Studies - Society/Human Interaction elective.....			3

JUNIOR FIRST SEMESTER

ART	2261	Painting	3
ART	2283	Modeling & Sculpture	3
ENGL	Lit.	.....	3
Liberal Studies		.....	3
Liberal Studies		.....	3

JUNIOR SECOND SEMESTER

ART	3363	Watercolor	3
ART	3341	Printmaking	3
ENGL	Lit.	.....	3
Liberal Studies		.....	3
Liberal Studies		.....	3

SENIOR FIRST SEMESTER

JOUR	2240	Reporting	3
JOUR	3312	The Publishing Process	3
GRAP	Elective	.....	3
Elective		.....	3

SENIOR SECOND SEMESTER

Liberal Studies		.....	3
ART	elective	.....	3
ART	elective	.....	3
Elective		.....	3

MUSIC (K-12) (B.A.ED.)**FRESHMAN FIRST SEMESTER**

ENGL	1104	Written English	3
MATH	1107	Fund. Concepts of Math	3
COMP	1100	Computer Concepts	3
MUSI	1109	Comprehensive Theory	4
MUSI	1139	Voice Class	1
MUSI		Applied Lesson	2
MUSI		Ensemble Requirement	2-3
MUSI	1105	Piano I	1
MUSI	1101	Concerts & Recitals	0

FRESHMAN SECOND SEMESTER

ENGL	1108	Written English II	3
SPCH	1100	Intro. to Speech Comm	3
MUSI	2206	Appreciation for Majors	3
MUSI	1110	Comprehensive Theory	4
MUSI	2217	Percussion Class I	1
MUSI		Applied Lesson	2
MUSI		Ensemble Requirement	2
MUSI	1105	Piano II	1
MUSI	1101	Concerts & Recitals	0

SOPHOMORE FIRST SEMESTER

ENGL Lit.....	3
Liberal Studies - Society/Human Interaction elective.....	3
EDUC 2200 Intro to Education.....	3
Liberal Studies - Scientific Discovery elective.....	4
MUSI 2209 Comprehensive Theory.....	4
MUSI 2211 Applied Lesson.....	2
MUSI Ensemble Requirement.....	2
MUSI 1107 Piano I-IV.....	1
MUSI 1101 Concerts & Recitals.....	0

SOPHOMORE SECOND SEMESTER

ENGL	Lit.	.....	3
Liberal Studies		.....	3
EDUC	2201	Instructional Technology	3
MUSI	2210	Comprehensive Theory	4
MUSI	4411	Strong's Class II	1
MUSI	2245	Fundamentals of Conducting	2
MUSI		Applied Lesson	2
MUSI	1101	Concerts & Recitals	0

JUNIOR FIRST SEMESTER

EDUC	2202	Human Growth & Development.....	3
EDUC	2202L	Education Lab	0
MUSI	2213	Music History	3
MUSI	3309	Orchestration.....	2
MUSI	3347	Adv. Conduction	2
MUSI	2213	Brass Class I.....	1
MUSI	3328	Elem. Music Methods	2
Liberal Studies - Scientific Discovery elective.....			4
MUSI		Ensemble Requirement	2
MUSI		Applied Music	2
MUSI	1101	Concerts & Recitals.....	0

JUNIOR SECOND SEMESTER

EDUC	3331	Reading in Content Areas	3
SCI		Science Requirement	4
Liberal Studies		.....	3
MUSI	3314	Music History	3
MUSI	2215	Woodwind Class I	1
MUSI		Methods-Choral/Instrum.	2
MUSI		Ensemble Requirement	2
MUSI		Applied Music	2
MUSI	1101	Concerts & Recitals.....	0
Liberal Studies		- Artistic/Creative/Interdisciplinary elective	3

SENIOR FIRST SEMESTER

EDUC	3351	Human Exceptionalities	3
EDUC	3351L	Lab.....	0
EDUC	3352	Educational Psychology.....	3
EDUC	3325L	Lab.....	0
MUSI	4431	Materials & Methods.....	3
MUSI		Ensemble Requirement	2
MUSI		Applied Music	2
MUSI	4440	Senior Recital.....	1
MUSI	1101	Concert & Recitals	0
Elective w/appreciation			3

SENIOR SECOND SEMESTER

EDUC	3395	Secondary Classroom Org.	6
EDUC	4495	Student Teaching	6

ORAL COMMUNICATION (B.A. ED.)*(requires second field)***FRESHMAN FIRST SEMESTER**

ENGL	1104	Written English I	3
SPCH	1100	Intro. to Speech Comm.....	3
THET	1140	Theatre Production	2
THET	1148	Theatre Workshop	1
THET	1105	Voice & Diction	3
2nd Field Requirement.....			1
Liberal Studies - College-level Math elective			3
Liberal Studies			3

FRESHMAN SECOND SEMESTER

ENGL	1108	Written English II.....	3
THET	2220	Oral Interpretation.....	3
THET	2228	Oral Interpretation Practicum.....	1
EDUC	2200	Intro. to Education.....	3
INFO	1100	Comp. Concepts & Appls.....	3
Liberal Studies - Artistic/Creative/Interdisciplinary elective.....			3
Liberal Studies.....			3
Liberal Studies.....			3

SOPHOMORE FIRST SEMESTER

SPCH	1171	Mass Communication.....	3
SPCH	2241	Debate.....	3
SPCH	2249	Debate Practicum.....	1
THET	2230	Acting.....	3
EDUC	2201	Instructional Technology	3
Liberal Studies - Scientific Discovery elective.....			4
2nd Field Requirement.....			3

SOPHOMORE SECOND SEMESTER

PHED	1100	Fitness and Wellness.....	2
THET	2244	Intro. to Theatre Design.....	3
-or-			
THET	3350	Children's Drama.....	3
EDUC	2202	Human Growth and Development.....	3
EDUC	2220L	Laboratory.....	0
2nd Field Requirement.....			3
Liberal Studies - Scientific Discovery elective.....			4
Liberal Studies.....			3

JUNIOR FIRST SEMESTER

ENGL	Lit.	.....	3
THET	2230	Action.....	3
-or-			
2nd Field Requirement.....			3
SPCH	2235	Interpersonal Comm.....	3
SPCH	3337	Persuasion.....	3
SPCH	4439	Public Speaking Practicum.....	1
EDUC	3331	Reading Content Areas.....	3
2nd Field Requirement.....			3

JUNIOR SECOND SEMESTER

ENGL	Lit.	.....	3
2nd Field Requirement.....			3
2nd Field Requirement.....			3
THET	2244	Intro. to Theatre Design.....	3
-or-			
THET	3350	Children's Drama.....	3
2nd Field Requirement.....			3
THET	3336	Directing.....	3

SENIOR FIRST SEMESTER

SPCH	4431	Method.....	3
THET	3354	Theatre Ed. Practicum.....	1
EDUC	3351	Human Exceptionalities.....	3
EDUC	3351L	Lab.....	0
EDUC	3352	Educational Psych.....	3
EDUC	3352L	Lab.....	0
2nd Field Requirement.....			3
2nd Field Requirement.....			3

SENIOR SECOND SEMESTER

EDUC	3395	Classroom Communication.....	4
EDUC	4495	Student Teaching.....	8

SPEECH COMMUNICATION (B.A.)**FRESHMAN FIRST SEMESTER**

SPCH	1100	Intro. to Speech Comm.....	3
SPCH	1171	Mass Communication.....	3
Liberal Studies / Minor.....			3
Liberal Studies / Minor.....			3
Liberal Studies / Minor.....			3
Liberal Studies / Minor.....			3

FRESHMAN SECOND SEMESTER

Liberal Studies / Minor.....			3
Liberal Studies / Minor.....			3
Liberal Studies / Minor.....			3
Liberal Studies / Minor.....			3
Liberal Studies / Minor.....			3
Liberal Studies / Minor.....			3

SOPHOMORE FIRST SEMESTER

SPCH	2215	Nonverbal Communication.....	3
SPCH	2219	Language in Speech Communication.....	3
SPCH	Elective	.....	3
Liberal Studies / Minor.....			3
Liberal Studies / Minor.....			3

JUNIOR FIRST SEMESTER

SPCH	2235	Interpersonal Comm.....	3
SPCH	3337	Persuasive Communication.....	3
SPCH	Elective	.....	3
Liberal Studies / Minor.....			3
Liberal Studies / Minor.....			3

JUNIOR SECOND SEMESTER

SPCH	2231	Small Group Comm.....	3
SPCH	3369	Comm. in Organizations.....	3
SPCH	Elective	.....	3
Liberal Studies / Minor.....			3
Liberal Studies / Minor.....			3
Liberal Studies / Minor.....			3

SENIOR FIRST SEMESTER

SPCH	4463	Listening: Theory & Pract.....	3
-or-			
SPCH	4469	Ethical & Legal Issues.....	3
SPCH	3345	.....	3
Liberal Studies / Minor.....			3
Liberal Studies / Minor.....			3

SENIOR SECOND SEMESTER

SPCH	3345	Oratory.....	3
Liberal Studies / Minor.....			3
Liberal Studies / Minor.....			3
Liberal Studies / Minor.....			3
Liberal Studies / Minor.....			3

THEATRE (B.A.)**FRESHMAN FIRST SEMESTER**

ENGL	1104	Written English I.....	3
SPCH	1100	Intro. to Speech Comm.....	3
THET	1105	Voice & Diction.....	3
THET	1110	Intro. to Theatre.....	3
THET	2212	Theatrical Make-up.....	1
Liberal Studies.....			3

FRESHMAN SECOND SEMESTER

ENGL	1108	Written English II.....	3
INFO	1100	Comp. Concepts & Appls.....	3
THET	1114	Body Training & Stage Mvt.....	3
THET	1140	Theatre Production.....	2
THET	1148	Theatre Workshop.....	1
THET	1151	Text Analysis.....	3

SOPHOMORE FIRST SEMESTER

THET	2230	Acting.....	3
LS Math.....			3
Liberal Studies.....			3
Minor.....			3
Elective.....			3

SOPHOMORE SECOND SEMESTER

THET	2244	Intro. to Theatrical Design.....	3
THET	Elective	.....	3
Minor.....			3
Liberal Studies.....			3
Liberal Studies.....			3
Liberal Studies.....			3

JUNIOR FIRST SEMESTER

THET	3340	Theatre History I.....	3
THET	3375	Dev. of Dramatic Art.....	3
Liberal Studies.....			3
Liberal Studies.....			3
Minor.....			3
Minor.....			3

JUNIOR SECOND SEMESTER			
THET	3341	Theatre History II.....	3
THET	3336	Directing	3
Minor		.....	3
Minor		.....	3
Liberal Studies		.....	3
Liberal Studies		.....	3

SENIOR FIRST SEMESTER			
THET Elective		.....	3
THET Elective		.....	3
Minor		.....	3
Liberal Studies		.....	3
Liberal Studies		.....	3

SENIOR SECOND SEMESTER			
THET	4438	Sr. Comprehensive Project	3
Liberal Studies		.....	3
Liberal Studies		.....	3
Minor		.....	3
Elective		.....	3

School of Nursing and Allied Health Administration

NURSING (A.S.)

FRESHMAN FIRST SEMESTER			
ENGL	1104	Written English I.....	3
NURS	1101	Fundamentals of Nursing.....	6
FOSM	2220	Diet Therapy	3
BIOL	1170	Anatomy & Physiology.....	4

FRESHMAN SECOND SEMESTER			
ALLH	1106	Intro. to Pharmacology.....	3
BIOL	2205	Microbiology.....	4
PSYC	1101	Intro. to Psychology	3
NURS	1104	Adult Health I.....	4
NURS	1105	Adult Health II	4

SUMMER			
NURS	2201	Psychiatric Nursing.....	6

SOPHOMORE FIRST SEMESTER			
ENGL	1108	Written English II.....	3
POLI	1103	American Government.....	3
NURS	2204	Trends in Nursing.....	2
NURS	2222	Adult Health III.....	4
NURS	2223	Adult Health IV	4

SOPHOMORE SECOND SEMESTER			
NURS	205	Maternity Nursing	4
NURS	2206	Nursing of Children.....	4
SOCY	1110	Introductory Sociology	3
INTR	1100	Race, Class, & Gender	3

NURSING (B.S.)

(For Registered Nurses who desire a baccalaureate degree)

JUNIOR FIRST SEMESTER			
NURS	3320	Health Assessment	4
NURS	3350	Professional Concepts	3
CHEM	1101	General Chemistry.....	4
-or-			
SCIE	1110	Chemistry of Life.....	

INFO	1100	Computer Concepts & Appls.....	3
MATH	1107	or acceptable option	3

JUNIOR SECOND SEMESTER			
NURS	3330	Health Deviations	3
NURS	3360	Complex Nursing Situations.....	4
STATISTICS		Choose one:	
		BUSN 3310 or	
		BUSN 2240 or	
		PHSC 1150	
SPCH	1110	Intro. to Speech Communication.....	3
HIST/PHIL		Select from Liberal Studies options.....	3

SENIOR FIRST SEMESTER			
NURS	4400	Research in Nsg. Practice	3
NURS	4410	Community Health Nursing.....	6
MGMT	2209	Principles of Management	3
-or-			
MGMT	3308	Personnel Management	
ENGL		Select from Liberal Studies Lit. options.....	3
ECON	2200	Economics.....	3

SENIOR SPRING SEMESTER			
NURS	4430	Leaders & Mgmt. in Nursing.....	3
NURS	4440	Nursing Practicum	6
ENGL		Select from Liberal Studies Lit. options.....	3
INTR	1100	Race, Class, & Gender	3
Liberal Studies		- Artistic/Creative/Interdisciplinary elective.....	3

LPN IN ASSOCIATE DEGREE PROGRAM

PRE-REQUISITES			
ENGL	1104	Written English I.....	3
NURS	1101	Fundamentals of Nursing.....	6
FOSM	2220	Diet Therapy	3
ALLH	1106	Intro. to Pharmacology	3
BIOL	1170	Anatomy & Physiology.....	4
NURS	1102	Transition for LPNs.....	1
BIOL	2205	Microbiology.....	4
PSYC	1101	Intro. to Psychology	3

SUMMER			
NURS	2201	Psychiatric Nursing.....	6
NURS	1106	.....	4
NURS	1107	.....	4

FALL SEMESTER			
ENGL	1108	Written English II.....	3
POLI	1103	American Government.....	3
NURS	2204	Trends in Nursing.....	2
NURS	2222	Adult Health III	4
NURS	2223	Adult Health IV	4

SPRING SEMESTER			
SOCY	1110	Introductory Sociology	3
NURS	2205	Maternity Nursing	4
NURS	2206	Nursing of Children	4
INTR	1100	Race, Class, & Gender	3

Courses of Instruction

Notes:

PR = prerequisite. These courses must be passed before enrollment in the course in question.

CR = co-requisite. Must be taken concurrently with the course in question.

S-C&TC = Shared course, coordinated by Community & Technical College.

S-FSU = Shared course, coordinated by University.

ACADEMIC DEVELOPMENT CENTER

ENGL 0092 S-C&TC Basic Reading and Study Skills

English 0092 is recommended for students scoring below a 17 on the Reading portion of the ACT and 75 on the COMPASS test. Basic Reading and Study Skills is strongly recommended for students who have difficulty reading college-level texts, taking notes, and/or preparing for tests. This course not only emphasizes basic reading techniques (such as vocabulary and comprehension enhancement) but also focuses on the specific academic reading and study skills necessary to succeed in college-level courses. This course offers individualized and group instruction for college-level reading tasks, including word recognition, vocabulary and comprehension skills, and in study skills, including time management, textbook comprehension, notetaking, and test preparation. Incoming basic literacy is assumed. Credit hours will not apply toward hours required for graduation. Students who wish to improve their academic reading and study habits are encouraged to enroll.

ENGL 0097 S-C&TC Composition Skills

English 0097 is required of all ALL students scoring below an 18 on the English portion of the ACT, below 450 on the SAT (Recentered) verbal section, or below 71 on the writing portion of the COMPASS test. This computer-enhanced course focuses on improving skills in written composition to help students develop the skills necessary to earn a "C" or better in English 1104. The course emphasizes the generation of a series of multi-paragraph essays. According to state college system mandates, to earn a Credit in the class and move on to college-level writing, students must be able to write an essay that demonstrates the following characteristics:

- a central idea or thesis;
- an introduction/body/conclusion;
- paragraphs with topic sentences and supporting details;
- complete, grammatical sentences with some variety in syntax;
- appropriate word choice;
- clear flow of ideas from one part to another;
- proficient use of standard English punctuation and spelling.

MATH 0093 S-C&TC General Math. 3 hrs.

The following topics will receive attention in this course: basic operations (adding, subtracting, multiplying, dividing) on whole numbers, fractions, decimals, and percent; operations on integers; interpreting basic statistical information; implementing critical thinking skills to solve problems; and applying mathematics to solving word problems and to daily living. Students with a COMPASS score below 19 will need to enroll in Math 0093 before enrolling in Math 0094. This course offers institutional credit only. Credit hours will not apply toward hours required for graduation. This course must be completed in the first 32 hours of work in a student's program of study.

Math 0094 S-C&TC Pre-Algebra. 3 hrs.

The following topics will receive attention in this course: operations on positive and negative real numbers; order of operations; solving

elementary equations and their applications; operations on polynomial and exponential expressions. Prerequisite: Math 0093 or a COMPASS score of 19. This course offers institutional credit only. Credit hours will not apply toward hours required for graduation. This course must be completed in the first 32 hours of work in a student's program of study.

MATH 0095 S-C&TC Introductory Algebra. 3 hrs.

The following topics will receive attention in this course: order of operations; operations on exponential, polynomial, and rational expressions; solving linear, simultaneous, and quadratic equations in the set of real numbers and their applications; graphing equations and forms of equations of a line; operations on roots and radicals. Prerequisite: Math 0094 or Compass score of 26 or more. Students enrolling in this course should be able to manipulate fractions and positive and negative integers and to solve elementary equations. This course offers institutional credit only. Credit hours will not apply toward hours required for graduation. This course must be completed in the first 32 hours of work in a student's program of study.

Accel Sk 1110 Online Tutorial Practicum. 1 hr.

This course is designed to equip tutors with the necessary skills to effectively communicate with students in an individual and group setting. The course entails an orientation to tutorial procedures and assignments that emphasize specific skills such as tutoring special populations, tutoring study skills, and recognizing diverse response styles. The course is a requirement for all new tutors; instructor permission is required for registration.

HUMAN SERVICES

(School of Health & Human Services)

HUSV 1199 Freshman Seminar. 1hr.

Freshman Seminar assists students in learning how to make sound academic, economic, and social decisions. Students learn skills for success in college, and strategies for handling responsibilities in the collegiate and adult worlds. Students will work closely with one another and with a Freshman Seminar instructor by participating in a variety of college activities.

ACCOUNTING

(School of Business)

ACCT 2201. S-FSU Principles of Accounting I. 3 hrs.

This course covers fundamental accounting theory and procedures: organization of accounts, the accounting cycle, working papers and the preparation of financial and operating statements for proprietorships.

ACCT 2202. S-FSU Principles of Accounting II. 3 hrs.

The second semester of this course is a further study of the accounting process as applied to various business organizations. The two semesters of this course are designed to give students an adequate understanding of the recording, classifying and summarizing of business transactions in order to proceed with the interpretation and analysis of accounting data. This is a basic course for accounting majors, majors in other areas of business administration, and those whose major interest is in economics, political science, law or other professional areas. PR: ACCT 2201.

ACCT 2215. S-C&TC Managerial Accounting. 3 hrs.

The managerial accounting course is designed to acquaint students with the use of accounting information for the purpose of managerial control and decision-making. Concepts of cost, profit, and budgeting will be discussed and aspects of performance measurement and evaluation will also be covered. PR: ACCT 2202.

ACCT 2216. S-C&TC Income Tax Procedures. 3 hrs.

An introduction to the concepts of income taxation and the applications of these concepts through problem solving with the use of tax forms. May be used as an elective by Accounting Majors. PR: ACCT 2202.

ACCT 2217. S-C&TC Concepts of Computerized Accounting. 3 hrs.

3 hours lecture/lab time per week. This course is designed to reinforce topics presented in Principles of Accounting and to introduce the student to computerized accounting methods. Through hands-on computer work, the student will become familiar with accounting software and have the opportunity to work in greater depth with Principles of Accounting topics. PR: ACCT 2202, OFAD 1100.

ACCT 3301. Intermediate Accounting I. 3 hrs.

Primarily the study of general financial accounting theory as it relates to balance sheet items. Included is a brief review of the accounting cycle and income recognition theory. Current tax regulations are considered where applicable. PR: ACCT 2202.

ACCT 3302. Intermediate Accounting II. 3 hrs.

A continuation of ACCT 3301, to include the study of corporate ownership equity and the analysis and interpretation of accounting data. PR: ACCT 3301.

ACCT 3303. Accounting Internship. 3 hrs.

The internship course is designed as a learning experience which requires the integration of accounting theory with actual job experience in an accounting, industrial, or governmental organization. To be eligible for this experience, the student must be enrolled in the 4-year accounting program. The employer is responsible for evaluating and reporting the development of the student. PR: ACCT 3302.

ACCT 3325. Intermediate Accounting III. 3 hrs.

A continuation of the study of financial accounting theory and practices. Topics include accounting for income taxes, pensions and other post-retirement benefits, leases, cash flows, and disclosure standards. PR: ACCT 3302.

ACCT 3330. Advanced Accounting I. 3 hrs.

Includes accounting for special situations: partnerships, installment and consignment sales, home office-branch relationships, consolidations, and fund accounting. Attention is focused on the current AICPA position relative to these special accounting situations. PR: ACCT 3302.

ACCT 3331. Advanced Accounting II. 3 hrs.

A continuation of ACCT 3330; exploration of advanced accounting topics. PR: ACCT 3330.

ACCT 3350. Accounting Information Systems. 3 hrs.

This course is designed to introduce students to accounting information systems. It focuses on understanding the different types of accounting systems, their internal controls (including security issues), development, and information systems auditing concepts. PR: ACCT 3302.

ACCT 3399. Special Topics in Accounting. 1-6 hrs.

Advanced studies in special selected topics, to be determined by the instructor and approved by the School Dean. Credits earned will be applicable as free electives in degree programs.

ACCT 4404. Cost Accounting. 3 hrs.

The relationship of cost accounting to the performance of management's pursuit of company objectives is studied with 4 basic points of view in mind: cost principle, determination, control and analysis. PR: ACCT 3302.

ACCT 4405. Auditing. 3 hrs.

A study of the philosophy, environment, and procedures of auditing, and the legal, social and professional responsibilities of the auditor. PR: ACCT 3302.

ACCT 4406. Federal Income Tax Accounting: Individual. 3 hrs.

This course covers preparation of income tax returns from the accounts of an individual; exclusions and inclusions for gross income, capital gains and losses, business expenses, and other deductions.

ACCT 4407. Federal Income Tax Accounting: Partnership and Corporation. 3 hrs.

Continuation of 4406, including preparation of income tax returns from accounts of partnerships, estates and trusts and corporations. While previous accounting knowledge or experience will be helpful, no prior accounting training is required. PR: ACCT 4406.

ACCT 4410. Case Studies in Accounting. 3 hrs.

This course is designed to provide stimulus for critical analysis of accounting, finance, and ethics problems. Emphasis is placed on research, organization of data, critical analysis, communication of conclusions, and presentation skills. Through case studies, students will enhance their problem-solving skills by formulating solutions to problems which are encountered in accounting environments. PR: ACCT 3302, FINC 2201, INFO 2235, and Senior Status, or Instructor's consent.

ALLIED HEALTH***(School of Nursing and Allied Health Administration)*****ALLH 1100. S-C&TC Medical Terminology. 3 hrs.**

This course is a study of the structure of medical words and terms. Emphasis is placed on spelling and defining commonly used prefixes, suffixes, root words and their combining forms, with a particular focus on anatomy and physiology terms. The study of terminology and medical abbreviations relating to several allied health occupations acquaints students with an overview of the medical language. This course is offered online as well as in the classroom.

ALLH 1102. Pathophysiology of Disease. 3 hrs.

Study of the disease process, medical terminology and association with the body structure.

ALLH 1106. S-FSU Introduction to Pharmacology. 3 hrs.

This course is designed to introduce the student to basic concepts of classification, action and implications related to the administration of medications. It is required for nursing students. PR: BIOL 1170 or Licensed as a Practical Nurse. Offered spring semester only.

ALLH 1199. Special Topics in Allied Health 1-12 hours

Studies in special selected topics, to be determined by the instructor and approved by the School's chairman. Credits earned will be applicable as free electives in degree and certificate programs. Course is offered as needed.

ALLH 3301. Health Care Organizations. 3 hrs.

Organization, current legislation and the roles and relationships of the health care professions are discussed in detail. Emphasis is placed upon roles of hospital management. Factors of comprehensive health care, hospitals, and extended care facilities. Responsibility of the health care agency regarding competent and responsible care of patients is defined. Organization patterns in health care agencies, as well as contributions of health professionals and paraprofessionals in meeting human needs will be emphasized. PR: MGMT 2209, 3308, and 3390 and INFO 1100. Fall Semester only.

ALLH 3302. Management Problems of the Health Care Delivery System. 3 hrs.

Fiscal, legal, supervisory having specific problems to health care facilities is discussed. Emphasis will be placed upon medical records and utilization review, as well as the role and limitations of the hospital in

the health care system. The course will also cover the issue of inadequate access to health care in the US, with emphasis on the problems of poverty and the elderly regarding health care delivery. PR: ALLH 3301. Spring Semester.

ALLH 3341. Death and Dying. 3 hrs.

This course analyzes the impact of complex social change on death, humanity's most enduring mystery and most powerful taboo topic. Included are the study of past circumstances and future possibilities; death and dying from individual, family, and social/cultural perspectives; and examination of the concept from the perspectives of diverse academic disciplines, from history and sociology through medicine and psychology to literature and ethics. Also included are such controversial topics as life after death, care of the dying patient, funerals, and moral and ethical dilemmas. Fall Semester only.

ALLH 3372. Legal and Medical Ethics. 3 hrs.

This course is designed to acquaint the student with the legal and ethical responsibilities of the administrator involved in health care. Emphasis is placed upon legal issues as well as legal responsibilities and liabilities. Spring Semester only.

**ALLH 3399. Special Topics in Allied Health Administration
1-6 hours**

Studies in special selected topics in health administration and management are determined by the instructor and approved by the School's chairman. Credits earned will be applicable as free electives. Must be arranged in advance.

ALLH 4401. Allied Health Practicum and Seminar. 4 hrs.

This course brings together all the majors in the last semester of the program to experience a 90-hour administrative field experience, carry out a problem-solving project, and discuss problems and successes encountered in the experiences. Students will submit a comprehensive paper analyzing their project, which requires development of a problem statement, a literature review and the creation, implementation, and evaluation of a plan of action. Students prepare PowerPoint presentations of their assignments for classmates and preceptors at the end of the course. PR: Last semester of program. Spring semester only.

APPLIED DESIGN

APPD 1101. S-C&TC Principles of Clothing Construction. 3 hrs.

The student will study the application of principles of clothing construction in relationship to selection of compatible fabric and design to produce garments for individuals. The student will use various fabrics during the development of construction techniques, and will study the use and care of equipment and the techniques in pattern alterations.

APPD 1103. S-C&TC Clothing and Culture. 3 hrs.

This course is a cross-cultural study of clothing for the individual, family, and special needs groups. The course will cover fashion trends, fashion terminology, clothing and behavior, color and computer-aided body analysis, professional dress and management, and socio-psychological aspects of clothing.

APPD 2210. S-C&TC Textiles. 3 hrs.

The study of textile fibers from origin to end use will be covered. Consideration will be given to properties of textile fibers in relationship to performance and use, textile selection, maintenance for apparel and home furnishings, and textiles in the world economy.

APPD 2250. S-C&TC Design in Home Furnishings. 3 hrs.

The principles and elements of design are explored through an examination of home furnishings and accessories. The course will include a study of interior textiles, furnishings, window treatments, and the appropriate selection of enrichment accessories. Computer-aided design will be included.

APPD 3375. Professional Practice in Applied Design. 4 hrs.

The course will give students an opportunity to experience the business aspects of fashion merchandising or interior design through an on-the-job placement. An examination of location, financial concerns, staffing, marketing, managing, vendor relationships, and professional growth will be covered in this course, which will include an evaluation from the work experience supervisor. PR: APPD 2275.

ARCHITECTURAL ENGINEERING TECHNOLOGY

(College of Science and Technology)

ARCH 1130. S-FSU Architectural History I. 3 hrs.

This course covers architectural history from prehistoric times through the Gothic period. The emphasis will be on the historical, social and technological factors behind the structures discussed.

ARCH 1160. S-FSU Architectural History II. 3 hrs.

This course is a continuation of architectural history, covering the Renaissance period to the present. The emphasis will be on the historical, social and technological factors behind the structures discussed. PR: ARCH 1130.

ARCH 2200. Graphics. 3 hrs.

This course is an introduction to architectural presentation drawings. The course emphasizes rendering techniques and perspective drawing. PR: DRAF 1100.

ARCH 2210. Design I. 4 hrs.

Introduction to developing design methodology and its integration into the process of design. Topics include form studies and theory, and incorporation of these into the design of architectural elements. Introduction of sketching, graphic and modeling skills to communicate design concepts. Emphasis on developing the student's presentation skills. PR: ARCH 1160, ART 1111, ARCH. 2225

ARCH 2225. Architectural CADD. 3 hrs.

Introduction to computer-aided drafting and design. Will include an introduction to the basic drawing processes of the computer and subsequent application to design solutions in architecture.

ARCH 2250. Design II. 4 hrs.

A continuing study of design methodology as applicable to the design of simple structures. Emphasis on tectonics, as well as the nature of materials and the site. Further development of sketching, graphic and modeling skills as students learn to understand, interpret, and represent spaces and receive further training in presentation skills. Students will develop a first-year design portfolio. PR: ARCH 2210.

ARCH 3300. Design III. 4 hrs.

This class encompasses the investigation, synthesis and communication of characteristics of the built environment. Material covered includes programming of a building with respect to function, user, and site, and exploration of energy conservation and solar application. Students will develop a more advanced level of design, graphic skills, and 3-dimensional modeling. PR: ARCH 2250, CR: ARCH 3320.

ARCH 3310. Construction Details and Materials. 4 hrs.

This course is a comprehensive exploration of materials, structural systems and details in the context of commercial building design. Students will produce a set of working drawings for an architectural office setting. Baccalaureate majors only. PR: CIVL 2220, CR: ARCH 4450.

ARCH 3320. Site Planning. 3 hrs.

This course covers site analysis and the process of optimizing the relationship of a building to its site, taking into account the building's program and the natural environment. PR: ARCH 2250.

ARCH 3350. Design IV. 4 hrs.

This course explores architectural design in the context of the urban setting. Topics include urban design, historic preservation and the social impact of the built environment. Cultural and behavioral patterns will be explored. Students will develop further their modeling skills, graphic communication, and oral communication. A second year portfolio will be developed. PR: ARCH 3300; CR: ARCH 4420.

ARCH 4420. Urban Design and Preservation. 3 hrs.

This course explores urban planning and the application of its basic principles to an urban context. History of urban design, urban development and historic preservation will be discussed and applied to design projects. PR: ARCH 3300, CR: ARCH 3350.

ARCH 4430. Mechanical and Electrical Systems. 3 hrs.

Introduction to the design of mechanical and electrical systems. PR: ARCH 2250.

ARCH 4450. Design V. 4 hrs.

This course encompasses architectural design as an integration of design concept and building technology. Concepts synthesized in the design process include structural systems, mechanical systems and building materials, as well as more sophisticated building design. Advanced graphic communications will be combined with computer applications. Baccalaureate majors only. PR: ARCH 3350, CR: ARCH 3310.

ARCH 4460. Design VI. 4 hrs.

Students in this class will execute comprehensive architectural designs of their own choice with the approval of the instructor. Concentration in the project may be in building technology, urban design, historical design, theory, environmental design or another approved topic. The student will develop the design concept, conduct research, develop the form and express the design of the structure at a sophisticated level of graphic and 3-dimensional skills. A third-year portfolio will be completed. PR: ARCH 4450.

ART**(School of Fine Arts)****ART 1111. Art Fundamentals. 3 hrs.**

An introduction to the elements and principles of design and the creative design process. Students will explore various media and techniques in two- and three-dimensional art forms. Architecture majors only.

ART 1120. S-FSU Art Appreciation. 3 hrs.

This introductory course is a study of art of the Western world. It explores the emergence of new forms and salient factors contributing to changes in art from prehistoric Europe to the contemporary West. The works of art are presented within their historical contexts.

ART 1140. S-FSU Art Structure and Applied Design. 3 hrs.

Introductory course in the principles and elements of design, applicable to various media and techniques used in studio problems. PR: 1140.

ART 1141. S-FSU Art Structure and Applied Design. 3 hrs.

Further study of the principles and elements of design, techniques and media, with emphasis on the individual's creative development. PR: ART 1140.

ART 1142. S-FSU Drawing. 3 hrs.

The development of technical skills in various media, stressing observation, memory training and composition. Fall Semester only.

ART 1199. Special Topics in Art 1-12 hours

Studies in selected areas of specialization, to be determined by the instructor and approved by the School's chairman. Credits earned will be applicable as free electives in degree or certificate programs. 3 hours maximum credit per semester. PR: Instructor's consent.

ART 2241. S-FSU Drawing from Life. 3 hrs.

Drawing from the posed model, accompanied by analytical studies of anatomy. PR: ART 1142. Spring semester only.

ART 2261. S-FSU Painting. 3 hrs.

An introductory course using acrylic paint, exploring techniques of paint application and painting supports, while painting from still-life and landscape. PR: ART 1141, 1142 or instructor's consent.

ART 2262. Painting. 3 hrs.

An introductory course using oil paint to explore techniques of paint application and painting supports while working from the live model. PR: ART 1141, 2241 or instructor's consent.

ART 2278. S-FSU Art History from Prehistory to 1450. 3 hrs.

The major monuments and periods of the history of art will be discussed within their historical and cultural contexts, from prehistory to the end of the Middle Ages. Students will be expected to understand the religious, political and technical concepts which underpin these ideas as they relate to Western and non-Western cultures. Offered once every four semesters.

ART 2280. Art History from 1450 to 1750. 3 hrs.

The major movements and artists associated with the Renaissance, Baroque and Rococo movements will be investigated within their historical and cultural contexts. Students will consider the theory and criticism appropriate to these periods, together with primary texts produced by the artists. Offered once every four semesters.

ART 2283. S-FSU Modeling and Sculpture. 3 hrs.

Introductory course using clay modeling, plaster and metal sculpture.

ART 2284. Modeling and Sculpture. 3 hrs.

Advanced work in various sculptural media: metal casting, carving, constructions, etc. PR: ART 2283 or instructor's consent.

ART 3341. Printmaking. 3 hrs.

Introduction to various techniques in printmaking as an artistic expression. PR: 1142 or instructor's consent. Spring semester only.

ART 3353. Elementary Art Education I. 2 hrs.

Experiences and theory designed to prepare students to teach art on the kindergarten/primary level. Students will engage in directed experiences in two- and three-dimensional media such as drawing, painting, poster, sculpture, and design.

ART 3354. Elementary Art Education II. 2 hrs.

The theories, philosophy, and methods of teaching art in elementary school. Experiences supplemented with references to the needs of students in teaching grades 5-8. PR: ART 3353.

ART 3355. Problems in Teaching Art I. 2 hrs.

The student will define art problems, describe the teachable aspects of art, examine what motivation is in art and in connection with particular art problems and produce some art objects utilizing media and materials generally obtainable in most elementary schools. Art Majors.

ART 3356. Problems in Teaching Art II. 2 hrs.

The student will define art problems on the secondary level, examine how skill and success are related in studio art, utilize historical art examples, observe how art and society are related, define what is teachable in art and select specific art problems in conjunction with the age level and interests of secondary students. PR: ART 3355.

ART 3361. Painting the Landscape. 3 hrs.

Personal development in painting from the landscape with oil or acrylic paint. PR: ART 2261, 2262.

ART 3362. Painting the Figure. 3 hrs.

Personal development in painting from the live model with oil or acrylic paint. PR: ART 2261, 2262 or instructor's consent.

ART 3363. Beginning Watercolor Painting. 3 hrs.

Introductory course in the fundamental techniques of watercolor, while painting from still-lives and landscape. PR: ART 1141, 2241, or instructor's consent.

ART 3364. Intermediate Watercolor Painting. 3 hrs.

Continuation of ART 3363, emphasizing advanced techniques and individual creative development. PR: 3363 or instructor's consent.

ART 3378. Art History from 1750 to 1950. 3 hrs.

This course will consider the major movements and artists from the Neo-Classical through the Modern periods. The monuments will be examined within the context of their historical, political and cultural milieu, with the theory and criticism of the various movements given serious study. Offered once every four semesters.

ART 3380. Art History Since 1950. 3 hrs.

The major movements and artists associated with the developments of European and American art since 1950 will form the basis for the course. The issues will be set within their historical, aesthetic and critical contexts. Both the history of art and of theory will be considered. Offered once every four semesters.

ART 3383. Pottery. 2-3 hrs.

Introduction to basic ceramic techniques such as hand construction, the potter's wheel, glazing and kiln firing.

ART 3384. Pottery. 2-3 hrs.

Advanced work in ceramic sculpture, wheel-thrown ceramics, glaze theory, kiln firing and kiln construction. PR: ART 3383.

ART 4431. Methods and Materials in Teaching Art. 3 hrs.

Planning for and examination of problems for junior and senior high schools. Coordinated with the Education Department and the public schools. Designed for student teachers and teachers in-service. PR: 3356, PPST (passing score)

ART 4461. Advanced Landscape Painting. 3 hrs.

Development of individual creative expression in oil or acrylic, working from the landscape. PR: ART 3361.

ART 4462. Advanced Figure Painting. 3 hrs.

Development of individual creative expression in oil or acrylic while working from the live model. PR: ART 3362.

ART 4463. Studio in Painting. 3 hrs.

An advanced painting class in oil or acrylic, designed for those students who intend to prepare a professional portfolio for graduate school. The student is expected to explore his/her creative abilities while experimenting and bringing together the landscape and figure into a series of large paintings for exhibition purposes. PR: Instructor's consent.

ART 4464. Studio in Pottery. 3 hrs.

The student is permitted to select the medium and then explore all the technical and creative possibilities that it permits. PR: ART 3384.

ART 4465. Studio in Sculpture. 3 hrs.

The student is permitted to select the medium and then explore all the technical and creative possibilities that it permits.

ART 4467. Area Studies in Drawing & Painting. 1-4 hrs.

Art Majors Only.

ART 4468. Area Studies. 1-4 hrs.

Art Majors Only.

ART 4469. Area Studies. 1-4 hrs.

A group of three courses intended to allow the student intensive or continued study in a particular area. These are elective courses and the consent of the instructor is required. A six-credit-hour limit is imposed for each student. These courses are not eligible for substitution for required courses in the Art specialization. Art Majors Only.

ART 4470. Senior Exhibit. 1 hr.

Required of all art majors during their senior year: to organize and present a formal gallery exhibition of pieces selected from their college work. Slides of this exhibition are to be retained in the Art Department's archives. PR: Completion of all studio coursework or instructor's consent.

AVIATION

(College of Science and Technology)

ALL COURSES MEET FAR 147 REQUIREMENTS.

AVMT 1101. Introduction to Aviation Maintenance. 3 hrs.

A study of the fundamentals of aviation maintenance. Topics include aircraft familiarization, nomenclature, materials, hardware used on aircraft, theory of flight and basic physics.

AVMT 1102. Aircraft Basic Science. 3 hrs.

A study of federal aviation regulations, maintenance publications, weight and balance, technical drawings, charts and graphs.

AVMT 1103. Aviation Shop Practices. 3 hrs.

A study of the use of basic hand tools and power equipment, shop safety, aircraft fluid lines and fittings, aircraft cleaning and corrosion control. The course will cover the use and care of precision measuring equipment and the use and interpretation of various non-destructive inspection methods.

AVMT 1105. Aircraft Utility Systems. 3 hrs.

This course covers the areas of airframe ice and rain control systems, fire protection systems, (airframe and engine) and fuel systems (airframe and engine). Also included are transport aircraft systems, including doors, lavatory systems, galley systems, passenger service units, windows, emergency equipment and cargo loading systems.

AVMT 1106. Aircraft Information System. 3 hrs.

This is a study of the communication, navigation, and instrument systems of the aircraft and engine. PR: AVMT 1101, 1102, 1103, AVMT 1109, or instructor's consent.

AVMT 2201. Reciprocating Engines and System. 3 hrs.

This course is a study of the theory of operation of reciprocating engines and their systems. The course emphasizes the principles of operation, nomenclature, construction and system design. PR: AVMT 1101, 1102, 1103, or instructor's consent. CR: MATH 1101.

AVMT 2202. Aircraft Sheet Metal Structures. 3 hrs.

This course covers all aspects of sheet metal structures and aircraft welding. A strong emphasis is placed on acquiring hands-on skills. PR: AVMT 1101, 1102, 1103, or instructor's consent. CR: MATH 1101.

AVMT 2203. Reciprocating Engine Maintenance and Return to Service. 5 hrs.

This course emphasizes the hands-on maintenance and overhaul of piston engines. Topics include engine removal, replacement, troubleshooting, inspection, engine maintenance and overhaul, system component repair, inspection and troubleshooting. PR: AVMT 1101, 1102, 1103, 2201, or instructor's consent.

AVMT 2204. Propeller Systems. 3 hrs.

A detailed study of propellers, their components, operation and maintenance. PR: AVMT 1101, 1102, 1103, 2201 or instructor's consent. CR: AVMT 2023.

AVMT 2205. Turbine Engines and Systems. 3 hrs.

A study of the theory of operation of turbine engines and their systems. This course emphasizes the principles of operation, nomenclature, construction and system design. PR: AVMT 1101, 1102, 1103, or instructor's consent.

AVMT 2206. Aircraft Fluid Power and Landing Gear Systems. 3 hrs.

A detailed study of aircraft hydraulic, pneumatic and landing gear systems. This includes the study of airliner systems. PR: AVMT 1101, 1102, 1103, AVIO 1109, or instructor's consent.

AVMT 2207. Turbine Engine Maintenance and Inspection. 3 hrs.

This course emphasizes the hands-on maintenance, overhaul, repair, troubleshooting, and inspection of turbine engines and their systems. PR: AVMT 1101, 1102, 1103, 2205, or instructor's consent.

AVMT 2208. Cabin Atmosphere Control Systems. 3 hrs.

This course is a detailed study of aircraft heating, oxygen, air conditioning and pressurization systems. Large airliner systems will be covered. PR: AVMT 1101, 1102, 1103, AVIO 1109, or instructor's consent.

AVMT 2209. Aircraft Flight Control Systems. 3 hrs.

A detailed study of aircraft control surfaces, including operation, assembly and rigging. Airframe inspection procedures is also covered. PR: AVMT 1101, 1102, 1103, 1105, AVIO 1109, or instructor's consent.

AVMT 2210. Non-Metallic Structures. 3 hrs.

A study of wood, fabric, composite and plastic aircraft structures; the finishing of these structures is also covered. PR: AVMT 1101, 1102, 1103, or instructor's consent.

AVIATION ADMINISTRATION

(College of Science and Technology)

AVMA 1100. Aircraft Flight Theory. 3 hrs.

A study of the subject areas and information needed to operate as a private pilot in the aviation environment.

AVMA 1101. Private Pilot Technology. 3 hrs.

The course is designed to provide successful Private Pilot candidates with the basic skills and knowledge necessary for certification as a Private Pilot under Part 141, Appendix B, of the Federal Air Regulations. The course will consist of approximately 50 contact hours of classroom-based ground school instruction and a minimum of 35 hours of logged flight training (total flight hours may vary depending on individual student ability). Students are expected to immediately take the Private Pilot Knowledge Test upon completion of their Private Pilot Ground School component. Students will be signed-off to take the Private Pilot Practical Flight Exam, as required by FAA certification, upon successful completion of all flight requirements.

AVMA 1102. Introduction to Air Traffic Control. 3 hrs.

This course provides a description of basic air traffic control procedures and phraseology. Topics include the history of air traffic control, definitions, basic terminology, airspace utilization, and air navigation and Federal Aviation Administration rules governing air traffic control.

AVMA 1199. Special Topics. 1-12 hrs.

A study of special topics of educational, technical or industrial concern. PR: instructor's consent.

AVMA 2201. Instrument Pilot Technology. 3 hrs.

The course is designed to provide successful Instrument Pilot candidates with the basic skills and knowledge necessary for certification as an Instrument-rated Private Pilot in accordance with the minimum requirements set forth in Part 141, Appendix B, of the Federal Air Regulations. The course will consist of approximately 30 contact hours of classroom-based instrument ground school instruction and a minimum of 35 hours of logged instrument flight training (total flight hours may vary depending on individual student ability). A portion of the instrument flight training may be conducted on a Personal Computer-Based Aviation Training Device (PCATD); up to 10 hours are allowable toward flight requirements and 5 hours toward ground school requirements.

Students will be expected to immediately take the FAA-approved Instrument Pilot Airman Knowledge Test upon completion of their Instrument Ground School component. Students will be signed-off to take the Instrument Pilot Practical Flight Exam required for FAA certification upon successful completion of all flight requirements. PR: Private Pilot certification.

AVMA 2210. Aviation Meteorology. 3 hrs.

A survey of the basic concepts and processes of atmospheric phenomena and their relation to aeronautical conditions.

AVMA 2211. Airport Management. 3 hrs.

This course presents a study of airfield operations and management, with a focus on the role of the airport manager, the role of the airport in the community, budgeting, marketing and tenant relationships.

AVMA 2213. Airport Planning and Development. 3 hrs.

The principles of airport system planning and airport master planning will be studied. Key course topics include airport design standards, historical evolution of airports, key airport legislation and environmental impact planning for airports.

AVMA 2214. Air Traffic Control Procedures. 3 hrs.

This course is designed to prepare the student to successfully complete the FAA Air Traffic Controller screening exams. Topics include tower procedures, aircraft separation, departures/arrivals and special procedures.

AVMA 2299. Special Topics. 1-12 hrs.

A study of special topics of educational, technical or industrial concern. PR: instructor's consent.

AVMA 3300. Commercial Pilot Technology. 3 hrs.

The course is designed to provide successful Commercial Pilot candidates with the basic skills and knowledge necessary for certification as Commercial Pilot in accordance with the minimum requirements set forth in Part 141, Appendix B of the Federal Air Regulations. The course will consist of approximately 35 contact hours of classroom based Commercial Pilot Ground School instruction and a minimum of 120 hours of logged Commercial Pilot Flight Training (total flight hours may vary depending on individual student ability). Students will be expected to immediately take the FAA approved Commercial Pilot Airman Knowledge Test upon completion of their Commercial Pilot Ground School component. Students will be signed-off to take the Commercial Pilot Practical Flight Exam for final FAA certification upon successful completion of all flight requirements. PR: Private Pilot and Instrument Pilot certifications or instructor's consent.

AVMA 3301. Aviation History. 3 hrs.

This course traces man's effort to achieve and sustain flight, from early mythology to the present. Special emphasis is given to the evolution of the airplane.

AVMA 3302. Aviation Law. 3 hrs.

A study of the legal issues and case law/decisions affecting the aviation industry. Topics covered include contracts, liabilities, rights of operators, criminal statutes and the U.S. legal system, as applied to aviation.

AVMA 3303. Airline Operations. 3 hrs.

A study of the administrative aspects of airline operation and management, including a detailed study of airline organization, structure and operational issues. Topics to be covered include airline history, economics, pricing, marketing, fleet planning and labor relations. A case study approach will be used to study individual airlines and/or airline-related issues.

AVMA 3304. Aviation Maintenance Management. 3 hrs.

This course provides instruction concerning the functions and responsibilities of the aviation maintenance manager. Maintenance management in general aviation, regional airlines and major and national airlines will be studied.

AVMA 3305. General Aviation Operations. 3 hrs.

A study of the general aviation industry, including general aviation aircraft manufacturing, fixed-base operations and corporate flight departments. A basic definition of general aviation, its role and major components will be covered.

AVMA 3307. Aviation Safety. 3 hrs.

This course introduces the student to various aspects of aviation safety, including flight safety, ground safety and management and planning for safety in aviation. Case studies of individual aviation incidents, safety studies and accidents will be presented. Baccalaureate majors only.

AVMA 3399. Special Topics. 1-12 hrs.

A study of special topics of educational, technical or industrial concern. PR: instructor's consent.

AVMA 4401. Trends and Current Issues in Air Transportation. 3 hrs.

This course presents an analysis of selected contemporary issues, problems and trends facing various segments of the aviation industry (manufacturers, airlines, general aviation and government). Students will apply previously learned principles to practical problems in the aviation industry.

AVMA 4402. Fiscal Aspects of Aviation Management. 3 hrs.

This course will provide an introduction to financial management problems encountered in aviation management. Topics include basic accounting, financial management principles, cash flow analysis, budgeting and financial statement analysis.

AVMA 4403. Aviation Project. 1-4 hrs.

Independent study, primarily for seniors who wish to pursue further studies in special areas. Subject must be arranged with the instructor before enrolling in the course.

AVMA 4404. Advanced Composite Structures. 3 hrs.

An in-depth study of the inspection and repair of aircraft composite structures. Baccalaureate majors only.

AVMA 4405. Advanced Non-Destructive Testing. 3 hrs.

A detailed study of non-destructive testing methods used on aircraft. This course prepares the student for ASNT Level I certification. Baccalaureate majors only.

AVMA 4499. Special Topics. 1-12 hrs.

A study of special topics of educational, technical or industrial concern. PR: instructor's consent.

AVIONICS*(College of Science and Technology)***AVIO 1102. Principles of Radio Transmitters and Receivers. 3 hrs.**

This course examines the fundamental principles of radio communications. Specific topics include RF generation, amplification, filtering, frequency conversion, types of modulation, propagation characteristics of RF waves, bandwidth considerations and other topics related to the transmission, reception, and processing of RF signals. PR: ELEC 1100.

AVIO 1109. Aircraft Electronics. 3 hrs.

This course examines the fundamental principles of electronics as applied to aircraft electrical systems. Specific topics covered include AC/DC, series-parallel circuits, circuit analysis theorems, transistors, digital theory and devices. Meets FAR 147 requirements. CR: MATH 1101.

AVIO 1110. Aircraft Power Generation and Distribution Systems. 3 hrs.

This course examines DC and AC power generation systems,

generator paralleling, voltage regulation, power distribution and circuit protection devices, and DC and AC machines used in aircraft systems. Emphasis is on developing an understanding of the systems necessary to test, inspect, troubleshoot, and repair at the system and component levels. PR: ELEC 1100.

AVIO 2200. Electronic Flight Management Systems. 3 hrs.

This course introduces the student to the principles of operation of various Flight Management Systems, including auto-pilot, automatic test equipment (BITE), EICAS and on-board flight management computers. PR: AVIO 1110, ELEC 1100.

AVIO 2202. Instrument Landing Systems. 3 hrs.

This course emphasizes the theory of operation, troubleshooting and operational checks of instrument landing systems. PR: AVIO 1102.

AVIO 2204. Aircraft Navigation Systems. 3 hrs.

Focuses on flight navigation equipment used in modern aircraft. The course will introduce the student to the operating principles, components and troubleshooting procedures for navigation systems. PR: AVIO 1102.

AVIO 2206. Aircraft Communication Systems. 3 hrs.

This course introduces the student to the theory of operation and "Black Box"-level maintenance of airborne communications equipment, including VHF/HF radios, antennas, interphones, P.A. systems and passenger entertainment systems. PR: AVIO 1102.

AVIO 2208. Avionics Maintenance Practices. 2 hrs.

This course discusses the fundamentals of aircraft maintenance, with an emphasis on developing manipulative skills.

AVIO 2209. Aircraft Pulse and Radar Systems. 3 hrs.

This course examines aircraft pulsed microwave systems, including weather radar, distance measuring equipment (DME), and ATC transponder systems. PR: AVIO 1102.

AVIO 2210. FCC License Preparation. 2 hrs.

Prepares the student to successfully complete the Federal Communication Commission's General Radio-Telephone License. PR: AVIO 1102.

BIOLOGY*(College of Science and Technology)***BIOL 1104. Biosphere. 4 hrs.**

This course, designed for teacher education candidates, focuses on Earth's living systems. The major topics to be explored include biodiversity and populations (including evolution and systematics), ecosystems (nutrient cycles, trophic levels, biomes) and organisms (including life cycles, genetics, cells, and adaptations). The course includes integration of basic chemistry and atmospheric science. 4 hours of lecture/ discussion/activities per week. Elementary Education majors only.

BIOL 1105. S-FSU Biological Principles I. 4 hrs.

This introductory course in population biology explores the organization and function of populations, including reproduction and transmission genetics, patterns and mechanisms of evolutionary change and the fundamental concepts of ecology. 3 hours of lecture and one 3-hour laboratory per week. PR: A score of 21 or better on the ACT Science Reasoning section or (Human Biology), currently SCIE 1199 with a C or better. Spring semester only.

BIOL 1106. S-FSU Biological Principles II. 4 hrs.

This introductory course in cellular biology emphasizes the organization and functions common to all living cells. The major topics to be explored include cell organelle structure and function, the molecular basis of cell energetics, the cell cycle and basic molecular biology of the cell. 3 hours of lecture and one 3-hour laboratory per week. PR: A score of 21 or better on the ACT Science Reasoning section or (Human Biology), currently SCIE 1199 with a C or better. Fall semester only.

BIOL 1170. S-C&TC Anatomy and Physiology. 3-4 hrs.

Examination of the architecture of cells, tissues, organs and organ systems relationships which interact in the total function of the human being. This examination will include a detailed study of the digestive, respiratory, excretory, nervous, reproductive and endocrine systems, as well as their interactions with each other. 3-hour lecture and one two-hour lab per week. The course is designed for the Allied Health Program Majors, Nursing, Vet Tech, Med Tech and EMS and will not count as an elective toward any biology degree requirements. The 3-credit-hour option is open only to students in designated programs who will not take the lab.

BIOL 1199. Special Topics in Biology. 1-4 hrs.

Studies in special selected topics, to be determined by the instructor and approved by the Department chair. Credits earned will be applicable as free electives in degree and certificate programs.

BIOL 2202. General Botany. 4 hrs.

The first part of this course will consist of a survey of the plant kingdom, including the fungi kingdom and selected groups of plant-like protists and bacteria. In the second part, the structure, development, and physiology of angiosperms will be examined. 3 hours of lecture and one 3-hour laboratory per week. PR: BIOL 1105 and 1106 with a C or better. Spring semester only.

BIOL 2203. General Zoology. 4 hrs.

A survey of the animal kingdom, this course emphasizes selected invertebrates and vertebrates. The focus will be on diversity and the significance of evolutionary changes. Students will investigate the basic concepts of morphology, anatomy, physiology and behavior as they affect the ecology of the animal. 3 hours of lecture and one 3-hour laboratory per week. PR: BIOL 1105 and 1106 with a C or better. Fall semester only.

BIOL 2205. S-FSU Technical Microbiology. 4 hrs.

Designed for the Allied Health Programs, this course emphasizes the history of microbiology; microbial morphology and structure; microbial growth and physiology; environmental effects on bacteria; inhibition and killing of bacteria; virulence, pathogenicity, and invasiveness of microbes; modes of disease transmission; resistance and immunity; techniques of isolation; handling, culturing, identifying bacteria and the inhibition of bacteria. Safety, cleanliness, and responsibility are taught in the laboratory. 3 hours of lecture and one two-hour lab per week. This course is designed for the Allied Health Program Majors, Nursing, Vet Tech and Pre-Pharmacy. BIOL 2224 will not substitute for BIOL 2205 or vice versa. Spring semester only.

BIOL 2224. Microbiology. 4 hrs.

In this course, microorganisms (primarily bacteria) will be viewed from several perspectives; as pathogens, as components of ecosystems, and as components of industrial processes. Techniques for culturing and identifying bacteria will be presented. The course includes opportunities for students to design and conduct laboratory exercises. 3 hours of lecture and one 3-hour laboratory session per week. PR: BIOL 1105 and 1106 with a C or better, and CHEM 1105.

BIOL 2285. Tropical Studies. 4 hrs.

Students investigate the biodiversity of the Neotropics and their importance to global health. Special emphasis is placed on the fundamental dynamics operating in tropical forest ecosystems, and the impact that humans have on the health of these systems. Students participate in an eight-to-10 day intensive field experience in Costa Rica, exploring its rich and varied habitats, including cloud forests, lowland rainforests and agricultural systems. Class meets 4 hours per week, with travel to Costa Rica. Students pay the expenses for travel. PR: BIOL 1105 and 1106, or instructor's consent.

BIOL 3306. Fundamentals of Ecology. 4 hrs.

This course explores the fundamental principles of modern ecology: the patterns and processes operating in populations, communities and ecosystems. Population growth and regulation, energy flow, population

interactions and nutrient cycling will be emphasized. Students will learn quantitative methods, use field techniques, and practice the scientific method. 3 hours of lecture and one 3-hour laboratory per week. PR: BIOL 2202 and 2203, with a C or better, and CHEM 1106, 1113. Fall semester only.

BIOL 3312. Advanced Botany I. 4 hrs.

This course provides an in-depth study of the plant kingdom. Primary emphasis is placed on understanding the structural characteristics, evolutionary relationships and ecological distribution of plants. 3 hours of lecture and one 3-hour laboratory per week. PR: BIOL 2202 with a C or better. Fall semester only, in even years.

BIOL 3315. Invertebrate Zoology. 4 hrs.

This course surveys the invertebrate phyla as they have evolved from single cell protists to multicellular chordates. Also considered are the attributes of these organisms that have allowed them to radiate from aquatic to terrestrial environments. Two hours of lecture and two two-hour laboratories per week. PR: BIOL 2202 and 2203 with a C or better and CHEM 1106 and CHEM 1113. Fall semester only, in odd years.

BIOL 3316. Vertebrate Zoology. 4 hrs.

An in-depth investigation of vertebrates, this course focuses on the evolutionary relationships among the major vertebrate groups, with an emphasis on physiological, morphological and behavioral adaptations, especially as they influence the ecology of the animal. 3 hours of lecture and one 3-hour laboratory per week. PR: BIOL 2203 with a C or better. Spring semester only, in even years.

BIOL 3330. Aquatic Ecology. 4 hrs.

This course focuses on physical and biological aspects of freshwater lakes and streams, emphasizing the application of ecological theory. Lectures will cover lentic (lake) and lotic (stream), wetlands and ground-water ecology. The laboratories are field-oriented and allow students the opportunity to use state-of-the-art instrumentation while applying lessons learned in the classroom. 3 hours of lecture and one 3-hour laboratory per week. PR: BIOL 3306 with a C or better. Fall semester only, in even years.

BIOL 3331. Terrestrial Ecology. 4 hrs.

This course will start with the foundation from Fundamentals of Ecology and examine more closely the relationships between organisms and their terrestrial environment. A number of different ecological sampling and research methods will be studied and utilized. 3 hours of lecture and one 3-hour laboratory per week. PR: BIOL 3306 with a C or better. Fall semester only, in odd years.

BIOL 3340. Evolution. 4 hrs.

An overview of the principles and applications of evolutionary biology. The major topics that will be explored are history of life on earth, mechanisms of evolution, behavioral ecology, biogeography, molecular evolution, human evolution and evolutionary medicine. 4 hours of lecture per week. PR: BIOL 2202 & 2203 with a C or better.

BIOL 3350. Comparative Vertebrate Anatomy. 4 hrs.

An in-depth exploration of vertebrate morphology, this course emphasizes the evolutionary modifications in vertebrate form that have contributed to the ecological success of the group. Morphological changes are examined as functional adaptations that have enabled vertebrates to occupy all the varied habitats of the planet. Topics of study may include the emergence of the jaw and teeth, skull kinesis, the vertebral column, the transition to lung respiration, modes of locomotion, the vertebrate heart and homeothermy and the vertebrate kidney. Two hours of lecture and two two-hour laboratories per week. PR: BIOL 2203 with a C or better.

BIOL 3360. Biochemistry. 4 hrs.

This course is a study of general principles of biochemistry, including the synthesis and metabolism of carbohydrates, proteins, lipids and nucleic acids. The course integrates theory, concepts and applications. It encompasses the molecules of life, the dynamic function of biomolecules, the storage and transfer of biological information and bioenergetics of cells and organ systems. 4 hours of lecture per week. PR: CHEM 2202, and either MATH 1185 or MATH 1190. Spring semester only, in even years.

BIOL 3368. Animal Physiology. 4 hrs.

This course explores the fundamental functional processes of animals. Major topics may include energetics, digestion, neurology, endocrinology, immunology, muscle physiology, circulatory physiology, respiratory physiology, osmoregulation and thermoregulation. The emphasis will be on the investigation of physiological processes as evolutionary adaptations. Students will cooperatively design and complete research projects. 3 hours of lecture and one 3-hour lab per week. PR: BIOL 2203 with a C or better, CHEM 1106, and 1113. Spring semester only, in even years.

BIOL 3370. Plant Physiology. 4 hrs.

Plant physiology is the study of how plants function. Major topics will include transpiration, plant nutrition, photosynthesis, hormone regulation of plant development, plant movement and responses to environmental stresses. Students will be expected to design and complete physiology research projects. 3 hours of lecture and one 3-hour laboratory per week. PR: BIOL 2202 with a C or better, and CHEM 1106, and 1113. Spring semester only, in odd years.

BIOL 3380. Genetics. 4 hrs.

This course builds upon genetic principles introduced in Biology 105 and 106. Topics covered include extensions of Mendelian genetics, gene mapping, chromosomal structure and mutation, DNA replication, mutation and repair and gene expression and its regulation. 3 hours of lecture and one 3-hour laboratory session per week. PR: CHEM 1106 and 1113, BIOL 1105 and 1106. Fall semester only.

BIOL 3390. Molecular Biotechnology. 4 hrs.

This course is a study of the theoretical basis of techniques used in biotechnology, and the application of these techniques to biological research in academic and industrial settings. 3 hours of lecture and one 3-hour laboratory per week. PR: BIOL 3380, CHEM 2201, and either MATH 1185 or MATH 1190. Spring semester only.

BIOL 4420. Developmental Biology. 4 hrs.

This course contains a detailed study of gametogenesis, fertilization and embryonic development patterns of organisms. The role of gene expression in these events will be emphasized. 3 hours of lecture and one 3-hour laboratory per week. PR: BIOL 2202 and 2203 with a C or better. Spring semester only, in odd years.

BIOL 4485. Senior Seminar. 2 hrs.

This culminating experience requires students to utilize their knowledge of biology, as well as their analytical and critical thinking skills, to explore important topics in the biological sciences in a cooperative learning environment. Students will be expected to read, interpret, moderate discussions and formally present information from current research and review papers to an audience of their peers and biology faculty. Two hours of class meeting per week. PR: Senior standing. Spring semester only.

BIOL 4495. Problems in Biological Sciences. 2 hrs.

This course is designed for students who have interest in a specific problem in biology. It should not be used as a means of meeting requirements but rather as a research course that goes beyond the usual courses in developing the student's body of knowledge. PR: 20 hours of biological courses and instructor's consent.

BUSINESS ADMINISTRATION

(School of Business)

BUSN 1102. S-C&TC Introduction to Business. 3 hrs.

This entry-level course helps the student when choosing a major or concentration. The course is a survey of the various fields of business, designed to acquaint the student with the basic principles, practices and employment opportunities of each field.

BUSN 1141. S-C&TC Business Mathematics. 3 hrs.

This course is designed to provide knowledge and skill in the computation of the practical problems of business. It introduces the student to procedures in the fields of accounting, business finance, marketing and related business subjects. This course does not meet the Liberal Studies math requirement. Juniors and seniors in any four-year Business major are not permitted to take this class unless it is specifically required in the major.

BUSN 1199. S-FSU Special Topics in Business. 1-12 hrs.

Studies in special selected topics, to be determined by the instructor and approved by the School's Dean. Credits earned will be applicable as free electives in degree and certificate programs.

BUSN 2205. S-FSU Small Business Fundamentals. 3 hrs.

An introductory course designed to familiarize students with small-business dynamics. Students analyze personal strengths and weaknesses relative to launching an entrepreneurial career. Attention is given to planning, financing, starting and managing a new business.

BUSN 2251. S-FSU Corporate Communications. 3 hrs.

This course focuses on writing effective business correspondence, including letters, memos and e-mail messages. Interpersonal communications in the workplace are also addressed. This course also deals with the preparation and presentation of professional reports. The various forms of communication necessary for job hunting, including resumes and application letters, are also integrated into the course. PR: ENGL 1104.

BUSN 3300. Entrepreneurship. 3 hrs.

An applied course designed to simulate the experiences that entrepreneurs undergo in conceiving, evaluating, launching and operating a new business venture. The course allows students to examine potential entrepreneurial careers for themselves. The major project involves preparing and presenting a business plan for a potential new venture. PR: BUSN 2205.

BUSN 3306. Business Law I. 3 hrs.

A study of the nature and function of our legal system, courts, and procedures as they relate to business, including the law of contracts and sales.

BUSN 3307. Business Law II. 3 hrs.

Continuation of BUSN 3306. Substantive investigation of the law regarding corporations, commercial paper, agency, partnership and the legal basis of property as applied to business situations. Business 3307 will not satisfy the 3-hour requirement in the teaching fields in Business Education. PR: BUSN 3306.

BUSN 3310. Business and Economic Statistics. 3 hrs.

The course provides students with an introductory survey of business statistics. It covers three main units: descriptive statistics and data analysis, foundations of inference and inferential statistics. PR: Completion of the Liberal Studies math requirement.

BUSN 3315. Venture Finance. 3 hrs.

A study of capital markets and sources, with particular emphasis on the development of skills and resources required to obtain the financial capital for entrepreneurial ventures. Major topics include attracting seed and growth capital from sources such as individuals, venture capitalists and institutional financiers. Case analyses present various ways that entrepreneurial companies have creatively identified, negotiated and structured financing. Students will prepare a financial proposal for the funding of an entrepreneurial venture. PR: BUSN 2205.

BUSN 3319. Employment Law. 3 hrs.

This course explores the relationship between employer and employee. It covers a mixture of contract, tort, criminal and administrative law. Study will include the statutory and common law rules governing the establishment and termination of the employment relationship and

regulating the conditions of employment. The course is designed to develop understanding of the major areas of modern employment law so that students can apply the principles as an employer or an employee. PR: BUSN 3306, 3307 or instructor's consent.

BUSN 3320. International Business. 3 hrs.

This is an introductory course, designed to expose students to the nature of international business and the cultural, social, political, economic and technological forces that make up its environment. Students will study the importance of international trade and organizations, as well as the international monetary system and its impact on businesses, current international business developments, projected long-term global trends, unique opportunities, problems, ethical issues, characteristics and demands facing entrepreneurs and business personnel engaged in international business.

BUSN 3325. Women and Work. 3 hrs.

This course will analyze the social organization of women's work in the United States today and in the past. Students will examine the relationship between women's socialization, sense of self, family roles and the social, economic, and political forces which shape women's work. Topics will include affirmative action and comparable work, unionization, sexual harassment and traditional and nontraditional roles.

BUSN 3340. Advanced Business Law for Managers. 3 hrs.

Survey of legal problems encountered by finance executives, certified public accountants, and entrepreneurs, including secured transactions, bankruptcy, partnership, corporations, contracts, antitrust, and SEC law. PR: BUSN 3306, 3307, or instructor's consent.

BUSN 3399. Special Topics in Business 1-6 hours

Advanced studies in special selected topics, to be determined by the instructor and approved by the School Head. Credits earned will be applicable as free electives in degree programs.

BUSN 4405. Entrepreneurial Leadership. 3 hrs.

The latest concepts and applications in entrepreneurial leadership will be the focus of this course. Its content will therefore vary each semester to provide the student with exposure to the most recent developments in this area. Critical leadership, ethical and information-age challenges are examined to facilitate successful entrepreneurial endeavors. Students are involved in a variety of activities emphasizing integration of entrepreneurial topics in work and life. Discussion, role play, case study analysis, and small group learning will be used. PR: BUSN 2205, 3300; or instructor's consent.

BUSN 4408. Business and Economics Field Studies. 3 hrs.

This field experience, designed for business majors, actively engages students in a monitored work experience related to their major. Students may work independently or in teams, with guidance from a supervising faculty member on a specific project that benefits both the student(s) and the participating business. PR: instructor's consent, with approval of the School Chair.

BUSN 4410. Enterprise Development. 3 hrs.

This is a capstone course whereby students continue to develop and refine their business plan or begin actual operation of their business venture. Students are expected to participate in the daily operation of their enterprise and report to the faculty facilitator on a regular basis. This course is offered on a credit/no credit basis. PR: BUSN 3300, 3315, 3340; or instructor's consent.

BUSN 4415. Strategic Management and Policy. 3 hrs.

This course allows the student to integrate the concepts and principles offered in the various disciplines of study within the School of Business. Through the process of case analysis, students will enhance their analytic and problem-solving skills by formulating the policies and strategies that are used in modern business organizations. PR: ACCT 2201, 2202; FINC 2201; MGMT 2209; MKTG 2204; and senior standing.

BUSN 4420. Business and Society. 3 hrs.

A course designed to foster an appreciation of the societal and ethi-

cal issues facing businesses and managers today, and to examine the influence these issues have on management decisions. PR: ECON 2202, BUSN 3307, junior standing, or instructor's consent. Students must be enrolled in a B.S. in Business Administration major.

BUSN 4440. Hospitality Management Internship.

This internship course is designed as a learning experience which integrates food service and business theory with actual job experience, in a hospitality management-related work environment. The student must be enrolled in the four-year Hospitality Management program. The employer is responsible for evaluating and reporting the development of the student. PR: instructor's consent, with approval of School Dean. Graded Credit/No Credit.

BUSN 4450. Business and Economics Internship. 3-12 hrs.

This business internship is designed to provide the business major with supervised work experience in a sponsoring organization. The student is expected to complete a minimum of 200 hours in a meaningful and challenging position. PR: instructor's consent, with approval of School Dean. Graded Credit/No Credit.

BUSINESS EDUCATION

(School of Business)

Note: For other courses related to this subject matter area, refer to the section titled Office Administration.

BUSN 1199. Special Topics in Business Education. 1-12 hrs.

Studies in special selected topics, to be determined by the instructor and approved by the School Dean. Credits earned will be applicable as free electives in degree and certificate programs.

BUSN 4431. Methods and Materials in Teaching Business Education. 3 hrs.

This course addresses teaching strategies for communication-related, computation-related, information-processing and basic business skills. The course offers a brief overview of business education at all levels and the professional role of the business teacher. Fall semester only.

CHEMISTRY

(College of Science and Technology)

CHEM 1101. S-FSU General Chemistry I. 4 hrs.

A study of the theoretical concepts needed to understand typical chemical phenomena. The course addresses the nature of science, matter and measurements, the stoichiometry of chemical reactions, solutions and the calculation of concentration, energy relationships in chemistry, modern atomic theory, chemical bonding and molecular structure and the classification of reactions. 3 lectures and one 3-hour laboratory per week. PR: ACT math score of 19; or SAT Math score of 460 or Compass score of 36 or Elementary Algebra 0095.

CHEM 1102. S-FSU General Chemistry II. 4 hrs.

This course is an extension of CHEM 1101. It covers acid-base theory, chemical equilibrium, oxidation-reduction and an introduction to organic chemistry which includes the various classes of organic compounds, their nomenclature, structure, properties and reactions. The synthesis of polymers and their uses are included. The course consists of 3 hours' lecture and one 3-hour laboratory per week. PR: CHEM 1101. Spring semester only.

CHEM 1105. S-FSU Chemical Principles. 5 hrs.

This course and the following one, CHEM 1106, constitute an introduction to modern chemistry and its applications to society, including structure, nomenclature, properties and simple reactivity of inorganic and organic chemicals, descriptive chemistry, periodic properties, spectroscopy, stoichiometry involving solids, gases and solutions, basic thermodynamics, chemical equilibrium (acid/base and solubility), intro-

ductory kinetics, biochemistry, electrochemistry and nuclear chemistry. 4 hours of lecture and one 3-hour laboratory per week. PR: ACT math score of 20; SAT Math 480, Compass score of 42 or CHEM 1101 with a grade of C or better.

CHEM 1106. S-FSU Chemical Principles II. 4 hrs.

Continuation of CHEM 1105. 3 hours of lecture and one 3-hour laboratory per week. PR: CHEM 1105. Spring semester only.

CHEM 1113. Practical Scientific Statistics with a Spreadsheet. 1 hr.

Designed for students in any scientific field, this self-paced online course covers the basics of analyzing scientific data sets with statistics. Topics include error propagation, median, mean and standard deviation, t-test, q-test, hypothesis testing, linear regression analysis, creation of appropriate graphs and use of calibration curves. 3 on-campus course meetings are required. PR: ACT math score of 20; or SAT Math score of 480 or Compass score of 42. Spring semester only.

CHEM 1199. Special Topics in Chemistry. 1-12 hrs.

Studies in special selected topics, to be determined by the instructor and approved by the Department chair. Credits earned will be applicable as free electives in degree and certificate programs.

CHEM 2201. Organic Chemistry I. 4 hrs.

This course is a systematic study of organic chemistry with emphasis on kinetic behavior, reaction mechanisms and structural relationships. It includes the study of all major classes of organic compounds and functional groups. The course consists of 3 hours' lecture and one 3-hour laboratory per week. PR: CHEM 1106. Fall semester only.

CHEM 2202. Organic Chemistry II. 4 hrs.

This course is a continuation of CHEM 2201 and consists of 3 hours' lecture and one 3-hour laboratory per week. PR: CHEM 2201. Spring semester only.

CHEM 2205. Analytical Chemistry. 4 hrs.

Classical methods of chemical analysis, with emphasis on quantitative techniques. Also includes theory of acid-base, precipitation and oxidation methods, molecular structure, and an introduction to electrochemistry and spectroscopy. 3 hours of lecture and one 3-hour laboratory per week. PR: CHEM 1106, CHEM 1113. Fall semester only.

CHEM 2215. Intermediate Instrumental Analysis. 4 hrs.

This course includes the study of the basic concepts of instrument design and construction, operation of chemical instrumentation, use of standard procedures of analysis (including forensic and environmental methods), and method development for specific analyses. Spectroscopic, chromatographic and electrochemical methods of analysis are included. The course consists of two hours of lecture and one four-hour laboratory per week. PR: CHEM 1106, 1113. Spring semester only.

CHEM 3301. Physical Chemistry I. 4 hrs.

This course consists of a rigorous treatment of chemical kinetics and thermodynamics, based on calculus and physics. The application of partial differentiation and mathematical software to chemical problems is specifically addressed during this course. The course consists of four lecture hours per week. PR: CHEM 2201, 2205, PHYS 1102 or 1106, MATH 1185 or 1190. Fall semester only.

CHEM 3302. Physical Chemistry II. 4 hrs.

This course deals with the development of quantum chemistry. Elements of linear algebra, differential equations and mathematical software will be applied to chemical problems. The course consists of four lecture hours per week. PR: CHEM 2202, 2215, 3301, MATH 1186 or 3315. Spring semester only.

CHEM 4401. Independent Study. 1-3 hrs.

Students elect to learn about a topic in greater depth than usual, or one not covered in the regular curriculum, under the supervision of a faculty member. PR: instructor's consent.

CHEM 4402. Internship. 1-3 hrs.

Students undertake a practical work experience with oversight from the chemistry department. At least two hours work experience is expected for every credit. A paper describing the experience is required. PR: instructor's consent.

CHEM 4403. Independent Research. 1-3 hrs.

Independent research under the direction of a faculty member. Course is repeatable up to three times. At least two hours in the laboratory are expected for every credit. A paper describing the research is required. PR: instructor's consent.

CHEM 4405. Advanced Integrated Laboratory. 1-2 hrs.

This variable-credit, repeatable course, taken during the junior and senior years, provides a capstone experience in the chemistry laboratory. Students learn to integrate the skills required of practicing chemical professionals. They synthesize and characterize organic and inorganic compounds, learn the use, design and limitations of modern computer-controlled chemical instrumentation, study spectroscopy, reaction rates and chemical equilibria, and perform computations on chemical systems. Over the course of four semesters (including at least 7 credits, students become increasingly responsible for independent design of experiential procedures. Written and oral communication skills are stressed throughout the sequence. The course consists of two laboratory hours per week for every credit hour. PR: CHEM 2201, 2205.

CHEM 4450. Advanced Inorganic Chemistry. 3 hrs.

This course consists of an advanced study of inorganic reactions, coordination compounds and theories based on quantum mechanical principles. The course consists of three lecture hours per week. PR: CHEM 3302. Fall semester only.

CHEM 4455. Advances in Modern Chemistry. 3 hrs.

An advanced class on current topics in the field of chemistry, covering a wide range of subjects. Topics include analytical, organic, inorganic, biological and physical chemistry. Course discussions are based on recent papers from the scientific literature. Students present a public seminar on a topic from the chemical literature as a capstone experience in this course. Three lecture hours per week. PR: CHEM 3302, or CR: CHEM 3302.

CIVIL ENGINEERING TECHNOLOGY *(College of Science and Technology)*

CIVL 2200. Introduction to Surveying. 3 hrs.

Topics in this course include theory of linear distance measurement, proper note keeping, transit/tape surveying techniques, leveling procedures, measurement of horizontal and vertical angles, stadia, bearings and azimuths, rectangular coordinates, topography and mapping techniques. Students will learn to use all types of surveying equipment, including levels, transits, theodolites, total stations, and Electronic Distance Measurements (EDM) devices. CR: MATH 1101 or instructor's consent.

CIVL 2210. Light Construction. 4 hrs.

Students will be instructed in practices utilized in the erection of residential and industrial buildings, with technical information involving problems from ground to roof.

CIVL 2220. Construction Materials and Methods. 4 hrs.

Identification, properties and standard test methods for steel, concrete, timber, masonry products, bituminous products, soils and aggregate. Heavy construction methods are also discussed. PR: CIVL 2210, MATH 1101.

CIVL 2230. Construction Estimating. 3 hrs.

This course covers construction cost-estimating techniques for various types of construction projects. Included are certain related topics such as production, bidding and specifications as they affect the contractor during the cost estimation process. PR: CIVL 2220, INFO 1100.

CIVL 2240. Construction, Land and Route Surveying. 3 hrs.

This course will cover horizontal and vertical control, building location and layout, pipeline layout, construction staking procedures, earth quantity measurements, triangulation, horizontal and vertical curves, plan and profile, area and cross sections, volume calculations, mass diagrams, boundary control and deed descriptions. PR: CIVL 2200, INFO 1100.

CIVL 2275. Civil Engineering Graphics. 3 hrs.

This course will provide students with an introduction to computer-assisted civil engineering drafting and design. Includes coverage of graphics techniques, drawing organization, dimensioning, orthographic projection, and specific applications of civil engineering drafting and design. Typical applications include coordinate geometry, contours, topics in highway design, concrete, steel and structural wood drafting. PR: DRAF 2200.

CIVL 2280. Environmental Engineering Technology I. 3 hrs.

This introductory course will provide an overview of the environmental field, including laws and regulations, water quality, hydraulic and hydrologic fundamentals, water and wastewater treatment, groundwater contamination, and solid waste management. PR: CHEM 1101, CR: TECH 2290 or MATH 1185, or MATH 1190.

CIVL 2290. Introduction to Structures. 3 hrs.

This is an introductory course focusing on the analysis and design of structures. It will provide an elementary overview of the analysis, design, and detailing of both steel and wood structures, with primary emphasis on steel. Course coverage will include design of beams, columns and connections. PR: MECH 2200.

CIVL 3305. Hydraulics and Hydrology. 3 hrs.

Topics in hydraulics will include closed conduit flow, networks, reservoirs, hydraulic machinery, pumps in series and parallel and hydraulic structures. Topics in hydrology will include statistics and probability, hydrologic cycle and data, open channel flow, flood control and discharge, and culvert and detention pond design. PR: INFO 1100, TECH 2290 or MATH 1185 or MATH 1190, CIVL 2280.

CIVL 3340. Introduction to Soil Mechanics. 4 hrs.

This course covers soil origin and composition, index properties and classification, permeability, capillary, seepage, drainage, frost heave, combined stresses, total and effective stresses, compressibility and consolidation. PR: MECH 2200, CIVL 2280.

CIVL 4400. Highway Design and Transportation. 3 hrs.

This course addresses basic transportation theory and design, including parametric statistics, traffic flow, capacity, level of service, pavement design and geometric design. PR: TECH 2290 or MATH 1185 or 1190, or CIVL 3340.

CIVL 4410. Advanced Structural Analysis. 3 hrs.

This course provides an analysis of structures including cables, beams, columns, trusses and frames. Also included is buckling, shear, moment and deflection in statically determinate structures. PR: CIVL 2290, TECH 3300 or MATH 1186 or MATH 3315. Baccalaureate majors only.

CIVL 4420. Construction Planning and Administration. 3 hrs.

Introduction to construction management. Topics include construction planning and scheduling, economics, contracts, administration, health and safety, productivity and performance. PR: CIVL 2230.

CIVL 4440. Structural Design. 3 hrs.

A continuation of CIVL 2290, with more in-depth design of reinforced concrete and steel structures. PR: CIVL 2290.

CIVL 4450. Structures. 3 hrs.

Introduction to the structural design of typical building components using steel, timber and concrete. The course will include design of laterally supported and unsupported beams, one and two-way slabs, columns, beam-columns, tension members, connections and wall and column footings. PR: CIVL 2220, MECH 2200.

CIVL 4460. Environmental Engineering Technology II. 3 hrs.

This course will cover theories and practices in water and wastewater treatment systems, including physical, chemical and biological treatment processes. Other topics include surface water quality characteristics, modeling and permitting. PR: CIVL 2280 and TECH 3300 or MATH 1186 or MATH 3315. Baccalaureate majors only.

CIVL 4470. Advanced Soil Mechanics and Foundation Design. 3 hrs.

This course is a continuation of CIVL 3340 and includes shear strength, laboratory and field test methods and their use in design. It also provides an introduction to shallow and deep foundations, including bearing capacity and settlement analysis, the study of earth pressure for use in design of retaining walls, sheet piles, and excavating bracing, and an introduction to earth structure design and slope stability analysis. PR: CIVL 3340. Baccalaureate majors only.

COMPUTER SCIENCE

(College of Science and Technology)

COMP 1100. Concepts of Computing. 3 hrs.

This course provides an overview of the uses and capabilities of computer hardware and software. Emphasis is on computer terminology and an understanding of similarities and capabilities of application software. Developing skill in using specific applications is not the primary emphasis of the course. The course includes:

- 1.) a discussion of the components of a current computer system and how they interact
- 2.) an introduction to a small variety of application software, with emphasis on similarities of the applications
- 3.) data transfer between applications, copying files, downloading and uploading
- 4.) troubleshooting techniques for hardware and software problems
- 5.) a discussion of computer programming

Classes will meet in a computer lab several times during the course as software is introduced. Assignments will include projects requiring use of the applications and a project involving the writing of an elementary program.

COMP 1101. Applied Technical Programming. 3 hrs.

This course will provide an introduction to the BASIC programming language and familiarity with microcomputer hardware and operating system commands. Several short programming projects will be assigned. The emphasis of the projects will be technological applications. This course may not be substituted for either COMP 1100 or 1102. PR: MATH 1101.

COMP 1102. Principles of Programming I. 3 hrs.

A study of the foundations of software development. Students are introduced to computer organization, data representation, the software development cycle, and programming concepts including control structures, functions, elementary data structures and text file processing. Programming projects in the language C++ are assigned to provide students with experience in software development. PR: MATH ACT score of 21 or MATH SAT score of 500 or Compass score of 49 or MATH 1100.

COMP 1108. Principles of Programming II. 3 hrs.

This course is a continuation of COMP 1102 and covers storage classes, structures, pointers, dynamically allocated lists, non-text files, and concepts of OOP (Object Oriented Programming), including objects and classes, encapsulation, inheritance, and polymorphism. Projects in C++ are assigned to provide students with experience implementing larger multi-part applications using these concepts. PR: COMP 1102.

COMP 1199. Special Topics in Electronic Data Processing. 1-12 hrs.

Studies in special selected topics, to be determined by the instructor and approved by the School's chairman. Credits earned will be applicable as free electives in degree and certificate programs.

COMP 2200. Principles of Programming III. 3 hrs.

This course is a continuation of COMP 1102 and covers storage classes, structures, pointers, dynamically allocated lists, non-text files, and concepts of OOP (Object Oriented Programming) including objects and classes, encapsulation, inheritance, and polymorphism. Projects in the language C++ are assigned to provide students with experience implementing larger multi-part applications using the aforementioned concepts. PR: COMP 1108.

COMP 2201. Machine Organization. 3 hrs.

Offers the student a better understanding of how programs are executed by the hardware. Topics include assembly language instructions, data representation, subroutine calling conventions, BIOS and DOS service routines, interrupt handling, and communication between hardware devices. Programming projects are assigned to exemplify the topics covered in class. PR: COMP 1108.

COMP 2215. Software Design and Development with Ada. 3 hrs.

This course provides an introduction to software design concepts including modularity, abstraction, problem specification and design and verification of software. Projects are assigned to illustrate software development concepts as well as the special features of the Ada programming language, including generic packages and tasking. PR: COMP 1108.

COMP 2230. Java and Internet Applications. 3 hrs.

An introduction to programming in a hardware-independent language. Students will develop applications which can be downloaded from the Internet without risk to the recipient's system. Topics include basic Java syntax, object-oriented programming from a Java perspective, graphical interface components, exception handling, multi-threading, files and streams, display of multimedia images and animation. Programming projects are assigned to illustrate these concepts. PR: MATH 2216 and COMP 2270.

COMP 2240. Operating Systems. 3 hrs.

This is an introduction to operating systems' principles and operation. Topics include the function and operation of the major areas of the operating system such as user interfaces, process control, primary and secondary memory management, I/O, controls, concurrent processes and security issues. A course project will include configuring a computer for a dual operating system environment with partitions for both a Windows operating system and a UNIX/Linux-variant operating system. PR: COMP 2270 and COMP 2201.

COMP 2270. Data Structures, Algorithms and OOP I. 3 hrs.

This course reviews OOP (Object Oriented Programming) concepts, adding more depth, and begins a formal study of data structures including stacks, queues, and trees. Basic analysis of the algorithms pertaining to these structures is covered, along with Big-O notation. Programming projects are assigned which declare abstract list classes, from which descendant classes are created to manipulate stacks, queues and trees. This course meets three hours per week for lecture with an additional hour per week arranged. PR: COMP 2200 and MATH 1170 and MATH 2216.

COMP 3300. Computer Graphics. 3 hrs.

This course provides an overview of interactive graphics programming. Topics include the design of a simple graphics package, interactive devices and techniques, geometrical transformations and viewing in three dimensions. Representation of three-dimensional shapes is also developed. PR: COMP 2270 and MATH 1190.

COMP 3305. Student Consulting. 1 hr.

The student consultant will provide program consulting for students enrolled in introductory computer classes. This service will be performed in the computer terminal room of the Computer Center Lab for three hours a week for the duration of the semester. The service will be restricted to assistance with terminal operation and programming problems that involve system software, language syntax, or interpretation of diagnostic messages. PR: Departmental consent.

COMP 3310. Artificial Intelligence. 3 hrs.

An introduction to AI techniques, using a symbolic or logic-based programming language. Topics covered include knowledge representation, heuristic search, natural language processing, game playing, theorem proving and expert systems. Programming projects are assigned to illustrate these concepts. This course meets three hours per week for lecture with an additional hour per week arranged. PR: COMP 2270 and MATH 2200.

COMP 3320. Fundamentals of Computer Security. 3 hrs.

Topics to be covered in this course include access control, physical security, hacking, malicious code, intrusion detection, vulnerability assessment, countermeasures, network architectures, firewalls, network security, cryptography, forensics, certification and accreditation and legal and ethical issues. The course consists of three hours of lecture and two hours of lab per week. PR: COMP 1102.

COMP 3370. Data Structure, Algorithms and OOP II. 3 hrs.

This course is a continuation of COMP 1102 and examines additional data structures, such as graphs, networks, and hash tables. Basic analysis of various algorithms pertaining to these structures is covered. Students will study the use and extension of existing object libraries, with an emphasis on programming for a GUI environment. Projects which illustrate these topics are assigned. This course meets three hours per week for lecture with an additional hour per week arranged. PR: COMP 2270.

COMP 3380. Cryptography in Computer Security. 4 hrs.

This course provides an introduction to cryptography. Major topics to be covered include the history of cryptography and secret and public key encryption. A cryptography laboratory will be provided to demonstrate various applications of cryptography, such as digital certificates, digital signatures, IPsec, Kerberos, PGP, PKI, Rijndael, secure e-mail, SSL and TLS. The course consists of three hours of lecture and two hours of lab per week. PR: COMP 3320 and MATH 1170 and MATH 2216.

COMP 3390. Network Security Technology. 4 hrs.

This course combines classroom and laboratory work to explore network security solutions. Commercial-Off-The-Shelf (COTS) network devices such as servers, routers, bridges, switches, hubs, firewalls, scanners and intrusion detection systems will be configured to demonstrate network security solutions for selected real-world scenarios. The course consists of three hours of lecture and two hours of lab per week. PR: COMP 2240 and COMP 3320 and INFO 2250.

COMP 3395. Legal and Ethical Issues in Computer Security. 3 hrs.

Provides an introduction to various legal and ethical issues related to computer security. Topics to be covered include privacy rights, intellectual property rights, electronic transactions and liabilities, hacking, computer crime, encryption policies, offensive speech, anonymity, employee monitoring and e-mail policies, censorship, AI/expert systems, codes of ethics (ACM, IEEE, ISC(2) and NSPE) and political freedom. PR: COMP 3320.

COMP 4410. Database Management. 3 hrs.

The primary emphasis of this course is creation of a program which implements a query language. The project includes subroutines for scanning, manipulating a data dictionary, and performing queries and updates. Students will also develop familiarity with database terminology. PR: COMP 2270.

COMP 4415. Vulnerability Assessment. 4 hrs.

This course provides theoretical and practical instruction for assessing computer vulnerabilities and countermeasures. Topics to be covered include firewalls, hacking, intrusion detection, incident response, penetration testing and security policies. The laboratory portion of the course will provide hands-on experiments connected with various vulnerability assessment and countermeasures topics. The course consists of three hours of lecture and two hours of lab per week. PR: COMP 3390.

COMP 4420. Selected Advanced Topics. 3 hrs.

This course will address current topics of interest in computer science, to be determined by the instructor and approved by the School's chairman. PR: COMP 3370 or COMP 2240.

COMP 4421. Computer Science Special Project. 3 hrs.

Each student enrolled in this course will develop an independent project under supervision of the instructor. The project will be a practical application of computer science. The student and instructor will agree on the nature of the project necessary to satisfy the course requirement. PR: instructor's consent.

COMP 4495. Computer Security Internship. 3 hrs.

This course allows students to obtain real-world computer security work experience through an internship with either a national or local high technology company. PR: COMP 3395 and COMP 3390.

CRIMINAL JUSTICE *(College of Liberal Arts)*

CRJU 1100. S-C&TC Introduction to Criminal Justice. 3 hrs.

This course introduces the student to the three principal components of the criminal justice system: law enforcement, the judiciary and corrections. It will examine the history, structure, functions and issues of each component, and introduce the student to the measurement of crime, criminological theories, criminal law, justice perspectives and the juvenile justice system.

CRJU 1101. S-C&TC Police Operations. 3 hrs.

The student will be introduced to the day-to-day duties of a police officer. Emphasis will be placed on community and human relations, patrol and traffic functions, order maintenance, report writing, investigations, communications, interviewing, search and seizure and arrest. Police stress and survival skills will also be discussed.

CRJU 1199. S-FSU Special Topics in Criminal Justice. 1-12 hrs.

Studies in special selected topics, to be determined by the instructor and approved by the School's chairperson. Credits earned will be applicable as free electives in degree and certificate programs. PR: CRJU 1100.

CRJU 2202. S-FSU Principles of Criminal Law. 3 hrs.

Structure, definitions and interpretations of criminal statutes of particular interest. The course will cover the scope, purpose and definition of criminal law in general, including the study of crimes against individuals and property and other offenses.

CRJU 2203. S-C&TC Computer Crime: Legal Issues and Investigation Procedures. 3 hrs.

This course provides an overview of computer crime and procedures which forensic computing specialists, law enforcement investigators and prosecutors must invoke to successfully prosecute computer criminals. PR: Consent of instructor.

CRJU 2204. S-C&TC Police Defense Tactics. 1 hr.

The student will be exposed to methods of physical protection, including the techniques of baton use, disarmament, and defense techniques.

CRJU 2205. S-C&TC Natural Resources Laws. 3 hrs.

This course involves a study of the state Natural Resources Laws dealing with the objectives of the Department of Natural Resources, the meaning of these various laws and regulations and the authority granted officers in their enforcement. PR: CRJU 1100.

CRJU 2206. S-C&TC Introduction to Corrections. 3 hrs.

A survey of the current correctional process in America, including the origin and legal procedures of the present system and its effects on the

individuals as well as on our society. Special emphasis is given to current theories of rehabilitation in the institution and in probation and parole. Students will also be introduced to the administration of the adult and juvenile institutions and the alternatives to and future of the present system.

CRJU 2209. S-C&TC Firearms. 3 hrs.

This course addresses safety precautions, legal provisions, moral aspects, principles of decision shooting and restrictions in the use of firearms. Nomenclature and the firing process of the sidearm and shotgun will be demonstrated. PR: CRJU 1100.

CRJU 2212. S-FSU Abnormal Behavior and Crisis Intervention. 3 hrs.

A study of the recognition and handling of abnormal persons with emphasis on those mental conditions most often encountered by the criminal justice practitioner. Methods of crisis intervention, basic conflict management and referral and diversion will also be discussed. PR: CRJU 1100.

CRJU 2215. S-C&TC Introduction to Private Security. 3 hrs.

This course will analyze the evolution, philosophy, responsibilities and functions of the private security industry. It will include risk management, occupational safety and health, public relations and loss prevention measures. The student will examine similarities and differences between private security and public policing. PR: CRJU 1100.

CRJU 2218. S-C&TC Police Administration. 3 hrs.

A survey of public police administration, this course covers political influences and controls, principles of leadership, interpersonal and organizational communication, human resource management, labor relations, information systems and applications, planning and decision making, financial management, measurement of productivity and organizational change. PR: CRJU 1101.

CRJU 2220. S-FSU Juvenile Justice Process. 3 hrs.

This course addresses definitions of delinquent behavior, contributing social problems, adolescence as a subculture, the philosophy and practice of adjudication process for juveniles and treatment procedures. PR: CRJU 1100.

CRJU 2236. S-C&TC Criminal Investigation. 3 hrs.

This course will survey the fundamental techniques of criminal investigation. Students will be exposed to the history of criminal investigation and criminalistics, interviewing and interrogation, physical evidence, crime scene procedures, crime analysis, investigation techniques, report writing, case preparation and courtroom testimony. PR: CRJU 1100.

CRJU 2240. S-FSU Adjudication Process. 3 hrs.

Topics include the role and structure of prosecution, public defense, and the courts; basic elements of the substantive criminal law and procedural law and its relation to constitutional guarantees. PR: CRJU 1100.

CRJU 2246. S-FSU Criminal Evidence. 3 hrs.

This course covers constitutional and procedural considerations affecting arrest, search and seizure, post-conviction treatment; the origin, development, philosophy and constitutional basis of evidence; kinds and degrees of evidence and rules governing admissibility; and judicial decisions interpreting individual rights and case studies. The primary focus is on the case study approach. PR: CRJU 1100.

CRJU 2255. S-FSU Law of Corrections. 3 hrs.

This course is designed to introduce the student to the concepts of law related to the rights of the accused and convicted in the corrections environment, both pre-conviction and post-conviction. Topics include the constitutional rights of pretrial detainees and prisoners, remedies available for the violation of such rights, potential liability (civil and criminal) of corrections officials for violation of such rights and some practical applications of such principles. The course will utilize the case study method in combination with lectures and readings to achieve the stated goals. PR: CRJU 2206.

CRJU 2256. S-C&TC Homicide Investigation. 3 hrs.

This course will examine all aspects of performing a thorough and methodical death investigation. The course will address the initial arrival, securing the scene, forensic evidence, follow-up, causes and motives. Suicides, accidental deaths, natural causes, homicide, serial and mass murder will also be examined. Students will learn about the importance of latent prints, blood spatters, rigor mortis, livor mortis, entomology, bite marks, interrogations and current software to aid in an investigation. PR: CRJU 2236.

CRJU 3300. Criminalistics. 3 hrs.

Students will study the scientific approach to collecting and analyzing physical evidence. The course will expose the student to the procedures of searching and processing crime scenes for fingerprints, body fluids, glass, fibers, tool marks, ballistics, footprints and tire impressions. The student will be instructed in the proper methods of preserving and shipping criminal evidence for analysis, the various laboratory techniques used in analyzing criminal evidence and how expert witness testimony is prepared and presented in court. PR: CRJU 2236.

CRJU 3301. Internet Vulnerabilities and Criminal Activity. 3 hrs.

This course is designed to provide the student with relevant data concerning vulnerabilities and criminal activity on the Internet. The course will define and describe potential impacts of cyber-crime. PR: Consent of Instructor.

CRJU 3304. The Female Offender. 3 hrs.

Designed to introduce the student to the largest-growing inmate population in the United States. It will introduce the students to the history of women in prison, the profiles of women entering our penal system, and how corrections professionals have responded to the unique needs of women in this male-dominant system. This class also examines the effects on our society of incarcerating females, many of whom are mothers. The course uses a combination of lectures, films, outside readings, and actual visits to facilities housing female inmates. PR: CRJU 2206.

CRJU 3305. Changing Roles of Women in Criminal Justice. 3 hrs.

The course will examine issues concerning women within the contemporary criminal justice system. Students will explore theories and current research of the historical role of women as practitioners, offenders and victims.

CRJU 3310. Comparative Criminal Justice. 3 hrs.

The objective of this course is to provide materials that will allow students to understand and respect the institutions and procedures of other countries, and to familiarize them with international efforts to control and investigate crime. The study of other countries' criminal justice systems will also provide students with a foundation of knowledge that will lead to an understanding of foreign visitors' and immigrants' world view based on their experiences of criminal justice systems and procedures prior to their arrival in the United States. PR: CRJU 1100.

CRJU 3316. Community Relations & Ethics. 3 hrs.

An analysis of the relationship between criminal justice agencies and the public, and of professional ethics in the performance of public duties. This course will address problems in citizen relations; treatment of victims, witnesses, and jurors; citizen involvement in the criminal justice process and resources related to community programming. The student will review corruption, illegal activities and issues of ethics among criminal justice employees. PR: CRJU 1100, 2206.

CRJU 3320. Criminology. 3 hrs.

The study of deviant behavior as it relates to the definition of crime. Topics include crime statistics theories of crime causation and crime typologies. PR: CRJU 1100.

CRJU 3325. Analysis of Security Operations. 3 hrs.

This course is designed to foster an advanced understanding of private and public security. A historical and philosophical perspective will

help students better understand risk analysis, physical and procedural controls, intelligence gathering and the principles on which private security is founded. Other current security issues will be addressed. PR: CRJU 2215.

CRJU 3330. Group Disturbances. 3 hrs.

During class discussions, students will explore types of disturbances which occur in the correctional settings and become familiar with strategic planning responses. The course will utilize video graphics, group discussions, lectures and site visits to achieve the stated goals. PR: CRJU 2206.

CRJU 3335. Analysis of Police Operations. 3 hrs.

This is a seminar in major police issues. The topics will vary according to the interests of the instructor and students but will focus on current issues in police operations. Topics may include officer selection and promotion processes, academy and field training, corruption and brutality, minorities and women in police work, crime prevention, community relations and community policing. The emphasis will be on determining practical and effective policies and procedures. PR: CRJU 1101.

CRJU 3340. Laws of Arrest, Search & Seizure. 3 hrs.

This course will deal with constitutional law relating to the police function. Focus will be on the Fourth, Fifth, Sixth and Fourteenth Amendments, which include reasonable suspicion and probable cause, warrant requirements and exceptions, field stops and interviews, interrogations, right to counsel, pretrial identifications, the exclusionary rule and due process. There will be detailed discussion on the reasons for constitutional protections to engender an understanding of and respect for the rights of all people involved in the criminal justice process. PR: CRJU 1100, 1101.

CRJU 3350. Group Techniques. 3 hrs.

This course is designed to instruct the student in the principles of group interactions. This information will directly apply to groups within a prison population, with specific information regarding a variety of criminal personalities. PR: CRJU 2212.

CRJU 3355. Analysis of Correctional Operations. 3 hrs.

Topics include problems of management in the correctional process; programming, security, information systems, reports, case management and evaluation progress; custody and discipline as they relate to rehabilitative efforts; community adjustment facilities; and problems of probation and parole. PR: CRJU 2206.

CRJU 3360. Community-Based Corrections. 3 hrs.

This course is designed to instruct the student in the study of diversion, pretrial release programs, probation, restitution, community service programs, temporary release programs, halfway houses and parole. Emphasis will be placed upon the special problems and needs of females, juveniles and drug-and-alcohol-abusing offenders. The preparation of the pre-sentence investigation report will also be covered. PR: CRJU 2206.

CRJU 3365. Licit and Illicit Drugs. 3 hrs.

This course is designed to instruct the student in the understanding of street drugs and their effects on the individual. The course will also examine specialized techniques in drug investigation and the legislation that applies directly to the defenses. PR: CRJU 1100.

CRJU 3370. Economic Crime. 3 hrs.

The course content will provide students with an overview of economic/white-collar crime in America. Students will examine definitional problems, difficulties in establishing the scope and extent of economic crime, theories of causation, law enforcement effectiveness, efforts of technology, and a number of related topics. PR: CRJU 1100.

CRJU 3399. Special Issues in Criminal Justice. 3-9 hrs.

Forum for special course offerings, focusing upon special issues in criminal justice, by visiting instructors or regular faculty.

CRJU 4401. Independent Study. 1-6 hrs.

Students involved in this course will conduct surveys and applied research projects as approved and supervised by a Criminal Justice faculty member. PR: Junior or Senior status.

CRJU 4405. Terrorism. 3 hrs.

A course designed to promote understanding of the problem of terrorism and political violence. The course will define terrorism; examine its origins, characteristics, nature and trends; analyze in detail various terrorist organizations and address selected problems in the response to terrorism. (Credit in Criminal Justice or Political Science).

CRJU 4410. Research in Criminal Justice. 3 hrs.

Students will explore the interaction of theory, research, and practice in the criminal justice process; the purposes and limits of research; introduction to research design, data collection, analytic techniques, data processing resources and preparation of research reports. PR: CRJU 1100, 2206.

CRJU 4411. Field Practicum. 3-12 hrs.

A supervised professional study conducted in the criminal justice field setting. PR: Junior or Senior status and a 2.5 GPA. PR: CRJU 1100, 2206.

CRJU 4415. Community Policing. 3 hrs.

This course provides a detailed analysis of community policing, which is the dominant philosophy for providing police services in the twenty-first century. Topics include the history of community policing, definitions of "community," current strategies for the implementation of this philosophy and the impact community policing will have on crime, disorder and fear. Also included in the course will be a thorough description of the new role of a police officer as a Community Policing Officer and the requirements for success. PR: CRJU 1101, Junior or Senior status.

CRJU 4425. Evaluation of the Criminal Justice System. 3 hrs.

This is the capstone seminar in criminal justice, with a focus on policy analysis. Students in this course will examine controversial criminal justice issues. Topics of study will vary according to the interests of the instructor and students, but may include capital punishment, gun control, drug policy, crime myths, racism and discrimination in the justice process, white collar crime and corruption. Students will be required to write a major research paper. PR: CRJU 1100, 2206. Junior or Senior status.

CRJU 4495. Seminars in Criminal Justice Management. 1-3 hrs.

Workshops designed for personnel staffing management positions in the criminal justice system; focus upon solutions to particular administrative problems. PR: Junior or Senior status.

DRAFTING

*(College of Science and Technology)
(Business, Aviation and Technology)*

DRFT 1100. S-C&TC Engineering Graphics. 3 hrs.

This introductory course covers basic drawing processes and techniques, including freehand lettering, geometric construction, sketching, multi-view and pictorial drawing, dimensioning and sheet layout. Tools, drawing surfaces, computer graphics, and projection theory will be stressed throughout the course.

DRFT 2200. S-C&TC Fundamentals of CAD. 3 hrs.

This is an introductory Computer Aided Drafting (CAD) course. Software to be covered will be Windows and the use of AutoCAD. The student will learn on a PC workstation and become familiar with plotters and printers. Technology Education majors only.

DRFT 2205. Introduction to Solid Modeling. 3 hrs.

An introduction to conveying information as to the shape, size, and formation of a three-dimensional object. Topics include technical sketches, drawings and illustrations for parts catalogues. Content areas

include isometrics, perspectives, three-dimensional wire frames and solid models. Three-dimensional rendering will also be explored. PR: DRFT 2200.

DRFT 2215. Architectural Drafting. 4 hrs.

A comprehensive study of the planning, design and drawing of a single-family residence. Primary considerations include the site, styling, codes, zones and basic construction techniques. Modern house planning results in a complete set of plans and specifications. PR: DRFT 2200.

DRFT 2225. Descriptive Geometry. 3 hrs.

An examination of the science of graphic representation and solution of space problems involving points, lines, intersections, parallelism, perpendicularity, revolution, vectors, developments, shades and shadows, conics and spherical triangles.

DRFT 2235. S-C&TC Technical Drafting. 3 hrs.

This course covers advanced drafting and design techniques by using a computer graphics workstation. The course content will include industrial detail drawing, electrical/electronics drawing, topographic mapping, pipeline drawing and production/working drawings. PR: DRFT 2200.

DRFT 2245. Architectural Design. 3 hrs.

An approach to the development of residential design issues. Sketching, interior perspective and rendered perspective will be covered to prepare interior decoration majors. The course will address architectural, pictorial and presentation drawings. PR: DRFT 2200.

DRFT 2255. Tool Design. 4 hrs.

This course covers the design of tooling, including jigs and fixtures for machine operations such as drilling, reaming, tapping, milling and turning. Study will include modern tooling techniques, the use of computer graphics, tooling economics and development of jigs and fixtures that meet ANSI standards. PR: DRFT 2200.

EARLY CHILDHOOD

EC 2240. S-C&TC Introduction to Infant and Toddler Development. 3 hrs.

This course examines the physical, social, emotional, and intellectual development of the infant and toddler. Particular emphasis is placed on their care and development. Students will study the influence of brain research and theory to see the importance of the growth and development of the infant.

ECONOMICS

(School of Business)

ECON 1199. Special Topics in Economics. 1-12 hrs.

Studies in special selected topics, to be determined by the instructor and approved by the School Dean. Credits earned will be applicable as free electives in degree and certificate programs.

ECON 2200. S-FSU Economics. 3 hrs.

Economics 2200 is a Liberal Studies course for non-business majors, which provides the student with a broad background in the field. The student will be exposed to micro- and macroeconomic theory and international economics, and should develop adequate knowledge to understand the role of economic systems and the application of economic principles in modern society.

ECON 2201. S-FSU Economic Principles and Problems I. 3 hrs.

This course approaches the subject from the point of view of macroeconomics, studying the nature and method of economics and describing how the capitalist system functions. Further study is made of the business cycle, fiscal policy, monetary policy, gross national product, and similar concepts. Some time is devoted to the study of competing economic systems.

ECON 2202. S-FSU Economic Principles and Problems II. 3 hrs.

This course is devoted to microeconomics. It follows the analysis of the firm and the decisions made by the managers of the firm, and includes the analysis of demand and supply and price and output determination. It is also concerned with the important problems in the field of economics: monopoly, agriculture, international trade, labor, economic development and similar issues. PR: ECON 2201.

ECON 3301. Intermediate Economic Analysis: Microeconomics. 3 hrs.

Students examine consumer demand, the supply function, and market pricing with various degrees of competition, oriented to the viewpoint of the individual firm and the industry of which the firm is a part. PR: ECON 2201, 2202.

ECON 3302. Intermediate Economic Analysis: Macroeconomics. 3 hrs.

National income, as a measure of economic activity, is descriptively and theoretically analyzed in this course. Examination of theories of consumption and investment spending (including monetary demand and supply) are integrated with current economic problems to explain the level of employment and prices. PR: ECON 2201, 2202.

ECON 3303. Money, Credit, and Banking. 3 hrs.

An intensive study of money and credit principles with an analysis of their effects upon prices. The course also addresses the history of banking and banking principles and practices. PR: ECON 2201, 2202.

ECON 3305. Economics of Labor. 3 hrs.

A review of labor history, with emphasis on the aims and methods of labor organizations, and theories of wages, and the current trends in labor-management relations. PR: ECON 2201, 2202.

ECON 3308. International Economics. 3 hrs.

This course examines topics relevant to international trade relations, such as the development of modern trade theory, international equilibrium, tariffs, non-tariff trade barriers, trade regulations and policies and regional trading arrangements. It also covers topics relevant to international monetary relations, such as the balance of payments, foreign exchange rate determination and international banking. PR: ECON 2201, 2202 or instructor's consent.

ECON 4401. Managerial Economics. 3 hrs.

This course applies economic theories and tools of analysis to decision-making issues within the firm or organization. The topics studied include decision-making and risk, estimation of product demand, analysis of production costs and price determination. PR: ECON 2201, 2202.

ECON 4406. Guided Economic Study 1-3 hours

Intensive reading, research, and study in current literature and documents in regard to a selected economic problem or group of problems. The field of study will be one in which the student has a special interest. All work will be done individually and the class will be conducted by conferences with each student. PR: 17 hours of Economics, Business, and/or Social Science courses.

EDUCATION

(School of Education/Health and Human Performance)

EDUC 1105. S-C&TC Basic Skills for Instructional Support. 3 hrs.

This course will cover learning strategies and study skills for the paraprofessional, including strategies for remembering information, reading and taking notes, interpreting graphic aids, improving time management, preparing for and taking tests and finding and using information. In addition, math strategies and learning problems in mathematics, plus reading skills, phonics, sight words, and reading comprehension will be covered.

EDUC 1199. S-FSU Special Topics in Education. 1-12 hrs.

The topic to be studied will be determined by the instructor and approved by the Dean of Teacher Education. Credits earned will be applicable as free electives in degree and certificate programs.

EDUC 2200. S-FSU Introduction to Education. 3 hrs.

This course provides the teacher candidate with an overview of the profession. Its primary purpose is to offer information necessary for an informed career decision and a professional commitment to teaching. It also includes an analysis of the historical, philosophical and sociological basis for programs, instructional strategies and teaching behaviors in American education. It is recommended that students take this course no earlier than the second semester of their freshman year.

EDUC 2201. S-FSU Instructional Technology. 3 hrs.

Designed to introduce teacher candidates (pre K-adult) to computer technology and its applications to the classroom and curriculum. The major focus of the course will be interactive technology via the computer, although other forms of technology will be explored. Special emphasis will be placed on customizing instruction to meet learning styles of a diverse student population and evaluation of current software applications. PR: EDUC 2200.

EDUC 2202. S-FSU Human Growth and Development. 3 hrs.

This course is an analysis of human development from birth through adolescence. Students will examine the influence of heredity and environment on the development of personality and behavior and their implications for educators. PR: EDUC 2200 and 2201 (or concurrent enrollment), 32 or more semester hours with a C average, Tine test, criminal background check, PPST.

EDUC 2202L. Human Growth and Development (Clinical I). 1 hr.

This is a one-credit-hour lab that must be completed as a clinical experience in the public school setting, or a comparable field-based setting. The clinical experience will allow the teacher candidate the opportunity to apply and reflect on his/her content, professional and pedagogical knowledge, skills, and dispositions in a variety of settings with students and adults. In addition, the teacher candidate will be provided with experiences that allow for immersion in the learning community so that s/he is able to demonstrate proficiencies in the professional role for which s/he is preparing. The teacher candidate may observe, assist, tutor, instruct, or conduct applied research in the clinical experience setting. PR/CR: EDUC 2202.

EDUC 2206. S-C&TC Instructional Support Strategies. 3 hrs.

This course will cover legislation affecting special education laws and the learning experience, the difference between mainstreaming and inclusion, the IEP and the self-contained classroom. Students will also learn about implementation of effective classroom management. Behavioral support in a positive learning environment and the role of the family, for encouraging and including parental input in an educational plan, will be included.

EDUC 2207. S-C&TC Behavior Support Strategies. 3 hrs.

This course presents basic principles and practices in the use of applied behavior management with both normal and exceptional learners. Students will gain firsthand experience in using behavior analysis and other behavioral support strategies in field settings.

EDUC 2220. S-FSU Areas of Exceptionality in Special Education. 3 hrs.

This course is a guided survey of the areas of exceptionality in the field of Special Education (emotionally disturbed, physically handicapped, speech and language, visually impaired, hearing impaired, mentally impaired, gifted, and learning disabled), and the historical, philosophical, political and sociological foundations related to exceptional children. The laboratory component of the course is designed to provide experience in the areas of exceptionality through observation and limited participation in these areas.

EDUC 2225. Computer Education. 3 hrs.

In this course, students study the history of computers in society and education. The focus of the course is on understanding the theories supporting computer use in schools, the ways computers are used, and the effects of computer-based instruction on student learning.

EDUC 2226. Technology in Instruction. 3 hrs.

This course prepares the pre-service teacher (K-6) to fully plan, implement and evaluate statewide technology plans. Content includes technology standards, resources, and planning; online education and curriculum integration and design.

EDUC 3307. Instructional Technology II. 3 hrs.

This course prepares the pre-service teacher to utilize school-wide classroom technology applications. Hardware, software, advanced applications, computer lab operations and school-wide assistance are the major areas of intent in the course.

EDUC 3317. Specific Learning Disabilities. 3 hrs.

An overview of the field of specific learning disabilities is offered in this course. It analyzes the definition, characteristics and causes of specific learning disabilities; emphasis is placed on learning development, specific legislation, programs, contemporary issues, and relevant agencies. A laboratory experience assists the student in synthesizing the content of the course. PR: EDUC 2220.

EDUC 3318. Behavior Disorders. 3 hrs.

This course offers an overview of the field of Behavior Disorders. It analyzes the definition, prevalence, causes, characteristics and specific legislation related to these disorders, and places emphasis on learning development, classroom management, specific legislation, programs, issues, and relevant agencies. A field experience assists the student in synthesizing the theoretical and practical content of the course. PR: EDUC 2220.

EDUC 3320. Education of the Mentally Impaired. 3 hrs.

This course is an analysis of the definition, characteristics and causes of mental impairment. Emphasis is placed on learning and development, intelligence, specific legislation, programs and the various social agencies related to mental impairment. A laboratory experience is required. PR: EDUC 2220.

EDUC 3321. Diagnosis, Prescription and Assessment Techniques in Special Education. 3 hrs.

This course focuses on in-depth investigation of the diagnostic and assessment procedures and instruments utilized in the identification and evaluation of exceptionalities. The laboratory components require involvement in diagnosis and assessment of exceptional children. PR: EDUC 2220, 3317, or 3318 or 3320.

EDUC 3326. Curriculum and Instruction: Core Knowledge and Skills for Handicapped Learners. 3 hrs.

This course utilizes a theoretical approach to teaching the handicapped learner in grades K-adult. The course prepares the preservice teacher to set appropriate goals and objectives for curriculum and instruction, select materials, methods, and strategies for individual learners and communicate this knowledge effectively to the student, the professional community (especially regular educators), and parents. PR: EDUC 2220, 3317, 3318, and/or 3320.

EDUC 3330. The Reading Process. 3 hrs.

This course examines the components of reading, with emphasis placed upon word attack skills, reading comprehension and factors which affect reading progress. PR: EDUC 2200, 2201, 2202, 2202L Clinical I.

EDUC 3331. Reading in the Content Areas. 3 hrs.

This is a reading methods course designed to provide content teachers with background information and instructional competencies necessary for teaching the reading and study skills essential to learning other

subjects. This course also provides a rationale and practical applications for integrating instruction in the reading process across all content areas. PR: EDUC 2200, 2202, and 2202L Clinical I.

EDUC 3350. Integrated Methods in the Elementary Classroom. 3 hrs.

This is a methods course in which prospective K-6 teachers translate content specific skills to the developmental levels, intellectual, emotional and social needs and learning styles of students. Activities focus on the acquisition of knowledge, skills, and dispositions through practice in selecting appropriate content, goals, and strategies for K-6 students and designing effective teaching and evaluation procedures. PR: EDUC 3331; 64 semester hours; 2.75 GPA, passing scores on the PPST.

EDUC 3351. Human Exceptionalities & Cultural Diversity. 3 hrs.

This course is designed to prepare teacher candidates with a foundation for educating students with special needs in inclusive public school settings K-12. It provides information about the spectrum of students: those considered low and high incidence disabilities, those from culturally diverse backgrounds, and those at risk for school failure. It presents strategies for differentiating instruction, instructional adaptations and approaches to responding to students' behavior, and building social relationships. Approaches to analyzing, assessing and evaluating student needs and learning are addressed. PR: EDUC 3330 and/or 3331, 48 semester hours, 2.75 GPA, passing scores on the PPST; faculty approval of Teacher Education Portfolio.

EDUC 3351L. Human Exceptionalities & Cultural Diversity (Clinical II). 1 hr.

This is a one-credit-hour lab that must be completed as a clinical experience in the public school setting, or comparable field-based setting. The clinical experience will allow the teacher candidate the opportunity to apply and reflect on his/her content, professional and pedagogical knowledge, skills, and dispositions in a variety of settings with students and adults. In addition, the teacher candidate will be provided with experiences that allow for immersion in the learning community so that s/he is able to demonstrate proficiencies in the professional role for which s/he is preparing. The teacher candidate may observe, assist, tutor, instruct or conduct applied research in the clinical experience setting. PR/CR: EDUC 3351.

EDUC 3352. Educational Psychology. 3 hrs.

This is a representative survey of psychology, emphasizing the application of prominent theories as they relate to the teaching and learning process. Teacher candidates will learn to apply their knowledge base with regard to many significant aspects of classroom decision-making, including planning, instructional strategies, student motivation, appropriate assessment and the management of an effective learning environment. PR: EDUC 3300 and or 3331, 48 or more semester hours, 2.75 GPA, passing scores on the PPST, faculty approval of Teacher Education Portfolio.

EDUC 3352L. Educational Psychology(Clinical II). 1 hr.

This is a one-credit-hour lab that must be completed as a clinical experience in the public school setting, or comparable field-based setting. The clinical experience will allow the teacher candidate the opportunity to apply and reflect on his/her content, professional and pedagogical knowledge, skills, and dispositions in a variety of settings with students and adults. In addition, the teacher candidate will be provided with experiences that allow for immersion in the learning community so that s/he is able to demonstrate proficiencies in the professional role for which s/he is preparing. The teacher candidate may observe, assist, tutor, instruct or conduct applied research in the clinical experience setting. PR/CR: EDUC 3352.

EDUC 3390. Elementary Classroom Organization and Practices 4 hours

This is the culminating methods course in which teacher candidates make the transition from the college to the public school setting with student interactions between the two in the following general areas: 1.) organization, schedules, policy and procedures in a public school

setting

- 2.) planning for instruction within the public school curriculum guidelines
- 3.) effective management practices within public school policy guidelines
- 4.) developing, selecting, and administering evaluation/assessment instruments
- 5.) implementing best practice instructional strategies
- 6.) communicating effectively
- 7.) exhibiting professionalism and reflecting upon the teaching/learning process.

PR: 96 semester hours; successful completion of Clinical II; 2.75 GPA overall, in the professional education courses and each teaching field; faculty approval of teacher education portfolio.

EDUC 3395. Secondary Classroom Organization and Practices. 4 hrs.

This is the culminating methods course in which teacher candidates make the transition from the college to the public school setting with student interactions between the two in the following general areas:

- 1.) organization, schedules, policy, and procedures in a public school setting
- 2.) planning for instruction within the public school curriculum guidelines
- 3.) effective management practices within public school policy guidelines
- 4.) developing, selecting, and administering evaluation /assessment instruments
- 5.) implementing best practice instructional strategies
- 6.) communicating effectively
- 7.) exhibiting professionalism and reflecting upon the teaching/learning process.

PR: 96 semester hours; successful completion of Clinical II; 2.75 GPA overall, in the professional education courses and each teaching field; faculty approval of teacher education portfolio.

EDUC 4446. Applied Practicum: Mentally Impaired and/or Learning Disabled. 3 hrs.

A field-based practicum intended to actively involve the teacher candidate in the application of previously learned concepts about the mentally impaired and/or the learning-disabled student. Emphasis is placed on assessment, curriculum, instructional techniques, methodology, modifications and collaboration with regular education. PR: EDUC 2220, 3317, and /or 3318 and/or 3320, 3321, and 3326.

EDUC 4470. Student Teaching in Mental Impairment. 4 hrs.

A full-time student teaching experience (minimum four weeks) in an appropriate public school setting is required for successful completion of this course. The experience emphasizes application of essential concepts and skills in designing instructional approaches for the mentally retarded. Students will observe, assist and teach under the supervision of a cooperating public school teacher and college personnel. This experience is evaluated on a pass, incomplete or fail basis and does not affect the grade point average. PR: All course work in the Teacher Education program.

EDUC 4471. Student Teaching in SLD. 4 hrs.

This course comprises a full-time student teaching experience (minimum four weeks) in a fully certified SLD program with a licensed teacher in Specific Learning Disabilities. The experience is designed to provide the teacher candidate with the opportunity to blend theory with practice through the application of those skills essential in designing and implementing instructional approaches for Specific Learning Disabled Students. PR: All coursework in the Teacher Education program.

EDUC 4472. Student Teaching: Multi-Categorical. 4 hrs.

A full-time student teaching experience (minimum six weeks) in an appropriate public school setting is required for successful completion of this course. The experience emphasizes application of essential concepts and skills in designing instructional approaches for students with behavior disorders. Students will observe, assist and teach under the supervision of a cooperating public school teacher and college personnel.

This experience is evaluated on a pass, incomplete or fail basis and does not affect the grade point average. PR: All coursework in the Teacher Education program.

EDUC 4490. Elementary K-6 Student Teaching/Clinical III. 8 hrs.

Full-time involvement in the teaching-learning process in a public elementary school (K-4/K-6) setting is required for successful completion of this course. Student teachers will observe, assist and teach under the supervision of a cooperating public school teacher and college personnel. This experience is evaluated on a pass, incomplete or fail basis and does not affect the grade point average. PR: A letter grade of at least C in EDUC 3390.

EDUC 4495. Secondary/Pre-K-Adult Student Teaching/Clinical III. 8 hrs.

Full-time involvement in the teaching-learning process in a public elementary, middle or secondary school setting is required for successful completion of this course. Student teachers will observe, assist and teach under the supervision of a cooperating public school teacher and college personnel. This experience is evaluated on a pass, incomplete, or fail basis and does not affect the grade point average. PR: A letter grade of at least C in EDUC 3395.

ELECTRONICS ENGINEERING TECHNOLOGY *(College of Science and Technology)*

ELEC 1100. Circuit Analysis I. 3 hrs.

Introduction to the concepts of voltage, current, resistance, capacitance and inductance. Also covered are Kirchoff's Laws, with applications in basic DC-AC, series-parallel circuits. Basic electromechanical devices and transformers are studied. CR: MATH 1101 or 1115.

ELEC 2200. Shop Practices. 3 hrs.

The student will build a breadboard to be used in subsequent courses. Skills covered in this course include PC board layout and construction, soldering, wiring, component selection, metal fabrication, plastic fabrication, wood fabrication and general layout procedures. Note: Extra costs are associated with this course. CR: ELEC 1100.

ELEC 2210. Circuit Analysis II. 3 hrs.

Continuation of ELEC 100, including the theory and application of circuit analysis theorems. Also covered are nonsinusoidal waveforms, three-phase circuits and the use of computers in solving problems. PR: ELEC 1100, CR: MATH 1102.

ELEC 2215. Basic Transistors. 3 hrs.

Devices studied will include rectifiers, zeners, filters, bipolar transistors and field-effect transistors. The circuitry will include power supplies, the basic amplifier types, multistate amplifiers, power amplifiers, switching circuits and oscillators. PR: ELEC 2200. CR: MATH 1102, ELEC 2210.

ELEC 2220. Linear Electronics. 3 hrs.

Study of the basic concepts of linear integrated circuits, including OP amps, regulators, comparators, timers and phase-locked loops. PR: ELEC 2210, 2215.

ELEC 2230. Digital Electronics. 3 hrs.

Theory and experimentation with SSI, MSI, and LSI devices and systems, including such basic components as gates, flip-flops, counters, decoders, timers, displays, memories, etc., and such systems as thermometers, tachometers, meters, etc. PR: ELEC 2210, ELEC 2215.

ELEC 2240. Industrial Electronics. 3 hrs.

Study of the operation of industrial power control systems, including power devices and control circuits. Power devices covered include relays, contactors, transistors, SCRs and TRIACs. Control circuits include UJTs, PUTs, DIACs, photo-devices, timers and control ICs. PR: ELEC 2220, 2230. Not taught in fall.

ELEC 2250. AC-DC Machinery and Controls. 3 hrs.

Practical aspects in the use and maintenance of AC-DC machinery and power distribution, including motors, generators, starters, speed controllers, breakers, transformers, etc. PR: ELEC 1100, MATH 1102.

ELEC 2260. Communication Systems. 3 hrs.

Theory, operation, and maintenance of AVMA, FM, PM and digital communications systems. PR: ELEC 2220, 2230.

ELEC 2270. Microcomputers. 3 hrs.

Theory and experimentation with microcomputers, including instruction sets, memories, I/O, programming (machine code, assembler, and high level), interrupts, peripherals and interfacing. PR: ELEC 2230, COMP 1101.

ELEC 2280. Programmable Controllers. 3 hrs.

An introduction to programmable controllers and their application to sequential process control. Topics include basic operating characteristics, relays, timers, counters, sequencers, editing and on-line data control. Practical laboratory experiences will be provided in controller applications, programming, installation and maintenance. PR: COMP 1101, ELEC 2230.

ELEC 3300. Advanced Linear Electronics. 3 hrs.

Study of linear devices including OP, AMPS, comparators, PLLs, timers, audio ICs, voltage references and current references. The course will include analysis and design concepts for the circuits studied. PR: ELEC 2260, 2270. CR: TECH 3300 OR MATH 1186 or MATH 3315.

ELEC 3310. Advanced Microcomputer Systems. 3 hrs.

Continuation of ELEC 2270, with more in-depth study and laboratory work. Topics included are A/D and D/A converters, serial communications, interfacing to power devices, etc. PR: ELEC 2270.

ELEC 4400. Senior Electronics Project. 3 hrs.

Instructor-approved project integrating concepts from previous courses. This course will allow the student to pursue specialized interests and show that s/he can complete an individual project. Baccalaureate majors only. PR: ELEC 3300 and 3310.

ELEC 4410. Data Acquisition and Control Systems. 4 hrs.

Theory and use of data acquisition and control systems, including transducers, signal conditioning circuits, multiplexing, A/D and D/A converters, computers and control devices. Baccalaureate majors only. PR: ELEC 2240, and 3300.

ENGLISH**(College of Liberal Arts)****ENGL 0097. S-C&TC Composition Skills. 3 hrs.**

English 0097 is required of all ALL students scoring below an 18 on the English portion of the ACT, below 450 on the SAT (Recentered) verbal section, or below 71 on the writing portion of the COMPASS test. This computer-enhanced course focuses on improving skills in written composition to help students develop the skills necessary to earn a C or better in English 1104. The course emphasizes the generation of a series of multi-paragraph essays. According to state college system mandates, to earn credit in the class and move on to college-level writing, students must be able to write an essay that demonstrates the following characteristics:

- * a central idea or thesis;
- * an introduction/body/conclusion;
- * paragraphs with topic sentences and supporting details;
- * complete, grammatical sentences with some variety in syntax;
- * appropriate word choice;
- * clear flow of ideas from one part to another; and
- * proficient use of standard English punctuation and spelling.

ENGL 1104. S-C&TC Written English I. 3 hrs.

This course offers a process-oriented practice in drafting, revising, and editing texts. Students learn the principles of expository writing, thesis formulation, organization, paragraph development, audience analysis, appropriate diction, and sentence structure. The course also includes an introduction to reading for content in texts selected from across the disciplines. PR: Minimum scores of 18 on the ACT, 450 on the SAT-V, 71 on the COMPASS test, or successful completion of an appropriate basic writing class (e.g., English 0097). NOTE: English 1104 is a prerequisite for enrollment in all other English courses. A "C" in English 1104 is a graduation requirement for all degrees.

ENGL 1108. S-FSU Written English II. 3 hrs.

A continuation of Written English I that provides experience in analyzing and writing argument and persuasive prose. A central feature of the course is a library research project that is intended to develop familiarity with reference sources and skill in summarizing the diverse points of view of multiple sources. PR: A C or better in ENGL 1104. NOTE: the grade of C or better in ENGL 1104 and 1108 is a graduation requirement for all degrees.

ENGL 1109. S-C&TC Technical Report Writing. 3 hrs.

This course provides practice in writing expository articles and technical reports. In addition to scientific/technical reports and proposals, students also write business letters, memoranda, and other types of written communication common to the industrial and business worlds. PR: English 1104

ENGL 2220. S-FSU World Literature I: Origins to 1650. 3 hrs.

A survey of literary masterpieces from around the world. Readings will include religious texts (such as the Bible, the Koran and the writings of Confucius); the epic (Homer, Dante and Milton); poetry (Li Po, Ovid and Petrarch); drama (Sophocles, Shakespeare and non-Western traditions such as Japanese Noh theater); and narrative fiction (tales from *The Thousand and One Nights*, *The Tale of Genji* and *Don Quixote*). PR: ENGL 1104.

ENGL 2221. S-FSU World Literature II: 1650 to the Present Day. 3 hrs.

English 2221 offers a study in translation of literary masterpieces from around the world, including satire (works by authors such as Moliere, Swift and Voltaire); drama (K'ung Shan-Jen, Ibsen, Chekhov and Al-Hakim); poetry (Basho, Keats, Dickinson and Eliot); the short story (Flaubert, Ichiyo, Lu Xun and Gordimer); and the novel (Yasunari, Achebe and Desai). PR: ENGL 1104.

ENGL 2230. S-FSU Introduction to Literature I: Prose Narratives. 3 hrs.

A study of the narrative art both in fictional forms (the short story, the novel, allegory) and non-fictional forms (autobiography, personal essay), with readings from many cultures within a world context, giving substantial exposure to important works written in the last 100 years and to those written by women and minorities. PR: ENGL 1104.

ENGL 2231. S-FSU Introduction to Literature II: Poetry & Drama. 3 hrs.

The focus of this course is on the forms and conventions of the genres through close reading, discussion, and written response. Students will survey representative works from fifth-century Athens to the most contemporary voices. Relevant exposure will be given to poems and plays by and about women and minorities. PR: ENGL 1104.

ENGL 3301. Theories of Language and their Application to English I. 3 hrs.

This course covers the linguistic subjects of syntax, morphology, phonology, semantics and pragmatics, which provide concepts and techniques for understanding languages, with special emphasis upon English. Topics will include descriptive versus prescriptive grammar, dialect and register, synchronic and diachronic language variation, the history of English, language acquisition, the leading theories of language, language theory and the art of composition. Required of all prospective teachers of English; to be taken before Clinic III. PR: ENGL 1108.

ENGL 3302. Theories of Language and their Application to English II. 3 hrs.

Continuation of ENGL 3301, emphasizing practical applications to teaching writing and grammar in grades 5-12. PR: ENGL 3301.

ENGL 3303. Survey of American Literature I: Beginnings to the 1850s. 3 hrs.

A study of American literary traditions, from the poets, diarists and chroniclers of the seventeenth and eighteenth centuries to the writers of imaginative and autobiographical prose and poetry of the early/mid 1800s. PR: ENGL 1108.

ENGL 3304. Survey of American Literature II: The 1850s to the present. 3 hrs.

A study of America's literary traditions from the 1850s to the present, including the poets, "local color" writers, naturalists and realists of the late 1800s; the experimental poetry and fiction of the early 1900s; the major dramatists; and a large sampling of the writers from the last half of the century. PR: ENGL 1108.

ENGL 3313. Survey of British Literature I: Beowulf to 1798. 3 hrs.

A study of British literature, beginning with Beowulf and continuing through the 18th century, including Chaucer, Shakespeare, Donne, Milton, Swift and Pope. PR: ENGL 1108.

ENGL 3314. Survey of British Literature II: 1798 to Present. 3 hrs.

A study of British literature from the early Romantic period through the present day, including such writers as Blake, Wordsworth, Austen, Tennyson, Dickens, Yeats, Shaw, Woolf, Joyce, Eliot, Beckett and Auden. PR: ENGL 1108.

ENGL 3320. Literary Criticism. 3 hrs.

A study of past and present critical methods and of the theoretical assumptions upon which they are based. PR: ENGL 1108.

ENGL 3332. Narrative and Descriptive Writing. 3 hrs.

An introduction to narrative and descriptive techniques in fiction, non-fiction, dramatic and poetic writing. Exercises in writing techniques prepare students to write a variety of finished works. Students also read and discuss models by accomplished writers. This course fulfills the Liberal Studies Electives writing option. PR: ENGL 1108.

ENGL 3333. Writing Non-Fiction. 3 hrs.

Study and practice of the various kinds of expository writing, with special emphasis upon the skilled production of research papers. This course fulfills the Liberal Studies Electives writing option. PR: ENGL 1108.

ENGL 3344. Writing Poetry. 3 hrs.

A workshop-based, individual-centered course in which students examine the tradition of poetry and poetics and how their own interest in writing poems may work within and against that tradition. The emphasis is on writing, revising and presenting poems, first privately and then to various public audiences. Students will also read and respond to modern poems and essays on poetics. Students are advised to first take ENGL 3332. PR: ENGL 1108.

ENGL 3345. Writing Fiction. 3 hrs.

A workshop-based, individual-centered course in which students examine the tradition of fiction and how their own interest in writing stories may work within and against that tradition. The emphasis is on writing, revising and presenting stories, first privately and then to various public audiences. Students will also read and respond to modern stories and essays on fiction. Students are advised to first take ENGL 3332. PR: ENGL 1108.

ENGL 3349. Advanced Technical Communication. 3 hrs.

This course places special emphasis on the preparation and implementation of the extensive, formal report in business, industry and public service organizations. As such, it will feature an introduction and orientation to source materials for advanced technical research and presentation, and it will also address the use of technical language for informed and uninformed audiences. PR: ENGL 1108 or 1109.

ENGL 3354. Children's Literature. 3 hrs.

This course offers a survey of literature desirable for children; topics include development of principles of selection and standards of evaluation. Students will develop acquaintance with a wide range of current books. PR: ENGL 1108.

ENGL 3355. Young Adult Literature. 3 hrs.

This course offers a survey of literature appropriate for adolescence; topics include development of principles of selection and standards of evaluation. Students will develop acquaintance with a wide range of current books. PR: ENGL 1108.

ENGL 3361. Major American Writers 1820-1870. 3 hrs.

A seminar on the lives and works of three or four of the most enduring, influential writers of these decades. Among the writers who may be chosen for study are Irving, Poe, Hawthorne, Emerson, Thoreau, Melville, Whitman and Dickinson. Students are advised to first take 3303. PR: ENGL 1108.

ENGL 3362. Major American Writers 1870-1940. 3 hrs.

A seminar on the lives and works of three or four of the most enduring, influential writers of these decades. Among the writers who may be chosen for study are James, Twain, Crane, Howells, Dreiser, Cather, Wharton, Frost, Stevens, W. C. Williams, Hemingway, Fitzgerald and Faulkner. Students are advised to first take 3304. PR: ENGL 1108.

ENGL 3363. The American Novel. 3 hrs.

A course designed to trace the development of the American novel from the late eighteenth century to the present. Important American novels will be analyzed in a chronological sequence. Students are advised to take either ENGL 3303 or 3304 first. PR: ENGL 1108.

ENGL 3370. Literature of the Middle Ages. 3 hrs.

This course presents a study of English and continental European literature of the Middle Ages. Genres covered include the chronicle, romance, fabliau, beast fable, lyric, saint's legend and drama. Students are advised to take ENGL 3313 first. PR: ENGL 1108.

ENGL 3373. Chaucer. 3 hrs.

A study of selected works by Chaucer that help to reveal the range and development of his thought and art. The emphasis will be on *The Canterbury Tales* and *Troilus and Criseyde*. Students are advised to take ENGL 3313 first. PR: ENGL 1108.

ENGL 3374. Shakespeare. 3 hrs.

A study of representative histories, comedies and tragedies. Students are advised to take ENGL 3313 first. PR: ENGL 1108.

ENGL 3375. Seventeenth-Century British Literature. 3 hrs.

A study of important British writers of the period, including Donne and Herrick, and emphasizing Milton. Students are advised to take ENGL 3313 first. PR: ENGL 1108.

ENGL 3377. Eighteenth-Century British Literature. 3 hrs.

A study of important British writers of the period, particularly Dryden, Swift, Pope, and Johnson. Students are advised to take ENGL 3313 first. PR: ENGL 1108.

ENGL 3378. Literature of the Romantic Period. 3 hrs.

A concentrated study of the works of such writers as Blake, Wordsworth, Coleridge, Byron, Shelley and Keats. Students are advised to take ENGL 3314 first. PR: ENGL 1108.

ENGL 3379. Literature of the Victorian Period. 3 hrs.

A concentrated study of the works of such writers as Tennyson, Browning, Rossetti, Arnold, Swinburne, Mill, Ruskin and Carlyle. Students are advised to take ENGL 3314 first. PR: ENGL 1108.

ENGL 3380. Twentieth-Century British Literature. 3 hrs.

A study of the major texts in 20th-century British literature that reflect the cultural, social and literary issues of the time. Among the writ-

ers who may be studied are poets (from Yeats and Eliot to Heaney and Larkin), playwrights such as Beckett and Stoppard and fiction writers, from Joyce and Waugh to Fowles and Drabble. Students are advised to take ENGL 3314 first. PR: ENGL 1108.

ENGL 3381. The British Novel. 3 hrs.

A historical and critical study of significant British novels of the eighteenth, nineteenth, and twentieth centuries. Students are advised to take either ENGL 3313 or 3314 first. PR: ENGL 1108.

ENGL 3382. The World Novel. 3 hrs.

A study of the enduring accomplishments of the novelists of Europe, Latin America and other regions. Novels to be read may include those of Cervantes, Voltaire, Goethe, Flaubert, Tolstoy, Dostoevsky, Kafka, Camus, Kundera and Marquez. PR: ENGL 1108.

ENGL 3385. The Arthurian Tradition. 3 hrs.

This course surveys Arthurian literature from its 12th-century origins to the present day. It will include analysis of the archaeological evidence for a historical Arthur, as well as the Celtic background from which the legends spring. PR: ENGL 1108.

ENGL 3386. The Bible as Literature. 3 hrs.

This course focuses on the literary history, interpretation and genres of the Bible, as well as significant biblical tropes, metaphors and narratives. PR: ENGL 1108.

ENGL 3387. Folk Literature. 3 hrs.

This course is an analysis of the components and genres of oral folk literature through poetry (the folk song, ballad and instrumentation), narrative (myths, legends, folktales, fables, morals, anecdotes, personal narratives and other forms of folk narrative), and language (verbal lore, such as dialect/accents, beliefs and superstitions, proverbs, sayings, riddles and jokes) within the contextual process of perpetuation (storytelling) and preservation (collecting and motifying). Emphasis will be placed on the Appalachian cultural perspective. A field study will be part of the course. Also listed as FOLK 3300. PR: ENGL 1108.

ENGL 3388. Women's Literature. 3 hrs.

A study of classic texts in women's literature, including such works as *A Room of One's Own*, "Tell Me A Riddle," *Jane Eyre*, *Orlando*, *The Awakening* and Adrienne Rich's work. Students will also study the works of such contemporary female writers as Caryl Churchill, Marilynne Robinson, Margaret Atwood, Gloria Naylor, Toni Morrison, Rachel Ingalls and Maxine Hong Kingston. PR: ENGL 1108.

ENGL 3389. Minority Literature. 3 hrs.

Reflecting the diversity of cultural sources and forms in America, the ideas and methods of writers outside the main literary and social traditions are studied for their contribution to the American experience. Minority writings include works by black, Latin, Native American and Asian authors, as well as the products of European minority groups such as Jewish and Irish writers. PR: ENGL 1108.

ENGL 3390. Modern Drama. 3 hrs.

The study of drama from the nineteenth century to the present. PR: ENGL 1108.

ENGL 3391. The Short Story. 3 hrs.

A critical study of this art form based upon the work of British, continental and American authors. PR: ENGL 1108.

ENGL 3392. Contemporary Poetry. 3 hrs.

A course on Anglo-American poetry since WW II, and the influence on contemporary poetry of Modernism and other cultures (notably, European and Latin American poetries). The course will also discuss the effects of free verse, imagism, surrealism, the New Criticism and social/political movements on current developments in poetry and poetics. PR: ENGL 1108.

ENGL 3393. Southern Literature. 3 hrs.

A study of representative Southern authors and works from colonial

times to the present, emphasizing characteristically Southern themes and points of view. Included are such figures as Twain, Wolfe, Faulkner, Welty, Ransom and O'Connor. PR: ENGL 1108.

ENGL 3394. The Art of the Motion Picture. 3 hrs.

A course designed to trace the evolution of the motion picture from its beginnings to the achievements of the present. Such aspects of the film as genre (the western, the horror film), techniques (sound, editing, photography), themes (forbidden knowledge, vengeance), and character types (cops, comics, crooks) will be considered. Although this course is intended for serious students of the verbal and visual arts, it is also designed to accommodate (as an elective) interested students who are avid filmgoers and desire to improve their appreciation of the films they see. PR: ENGL 1108.

ENGL 3395. Journeys in Comparative Mythology. 3 hrs.

A cross-cultural study of cosmic myth, investigating explanations offered by various peoples to questions that have been asked since the dawn of time. The course includes mythological traditions such as Greco-Roman, Norse, Mesopotamian, African, Celtic, Indian, Chinese, South American and Native American. PR: ENGL 1108.

ENGL 3399. Special Topics in English. 1-12 hrs.

Studies in special selected topics, to be determined by the instructor and approved by the chairperson. Credits earned will be applicable as free electives in degree and certificate programs. PR: ENGL 1108.

ENGL 4431. Methods and Materials in Teaching English. 3 hrs.

Study and practice in the techniques of teaching the fundamentals of grammar, mechanics, composition and the varied types of literature; taken as part of the Initial Performance Practicum. Students are advised to take ENGL 3355 before 4431. Students will take 4431 the semester before the Professional Block. PR: Successful completion of PPST PRAXIS Test.

ENGL 4441. Independent Study. 1-4 hrs.

Intensive study in the work of one or more significant authors. Subject area to be suggested by the students and approved by the instructor. Students may conduct an independent investigation in an area of interest to them and represent the results in one or more research papers.

FAMILY AND CONSUMER SCIENCES

(School of Education)

FACS 3310. Family Life Education. 3 hrs.

This course is the study of the changing American family and of interpersonal relationships between family members at each stage in the family life cycle. Special reference is made to mate selection, adjustments, crises and supports for families.

FACS 3312. Consumer Economics. 3 hrs.

This course is a study of the selection of consumer goods and services, and factors affecting selection, such as labeling, advertising, credit, contracts and consumer legislation, car, health and life insurance for family security, social security and wills.

FACS 3315. Management in the Family. 3 hrs.

A study of management process and its effect on the family. Students will consider decision-making, economics, effective use of resources and the interaction of values, standards, and goals for the family. Emphasis will be on the use of technology and its influences on the home, the family and the future of our society.

FACS 3318. Management Problems in the Family. 2 hrs.

The course includes analysis and application of theories and topics such as management principles, common problems, the family's use of resources, management of the individual and the family relationships, discovering how the special needs can confuse and strain the home, evaluating the needs and wants that technology adds to the home and family, and planned and supervised experiences of home management problems.

FACS 3320. Housing in Society. 3 hrs.

This course is designed to help individuals analyze social, physical, economic and psychological needs which must be met through housing. Concepts covered will include effective use of space, housing as a global issue, effective use of resources and environmental concerns. Students will also learn about computer-aided floor plan design.

FACS 3330. Introduction to Pre-schooler Development. 3 hrs.

The course examines the theory and research relevant to the physical, social, emotional, cognitive and creative development of the pre-schooler. Particular emphasis is placed on objective observation of pre-schoolers' behavior, growth and development.

FACS 3331. Adolescent Development. 3 hrs.

The course examines theory and research relative to adolescents' physical, emotional and intellectual development, relationships with parents and peers and growth in self-direction. Special attention is given to identity, self-concept and personality, societal needs, adolescent pregnancy, sexually transmitted diseases, human sexuality, adolescents in school, occupational interests, family dynamics and health issues.

FACS 3332. Child Development Problems. 3 hrs.

Students in this course will develop an appreciation of theory and research for planning programs, materials, and guidance to enhance development and learning in all areas of child development. A supervised experience in working with preschool children will include 35 to 100 hours of on-site experiences with young children.

FACS 3335. Parenting. 3 hrs.

Students will consider the applicability of various theoretical approaches to child-rearing in families. Emphasis is placed on the social and personal definitions of parental roles and the parent-child interaction.

FACS 3383. Social and Emotional Development of Children. 3 hrs.

The course will examine the theory and research relevant to the social and emotional development of children from infancy to age five. Emphasis will be on interpersonal relations, aggression, cooperation and competition. PR: EC 2283.

FACS 3399. Special Topics in Family and Consumer Sciences. 1-3 hrs.

A course designed to study special selected topics, to be determined by the instructor and approved by the coordinator. Credits earned will be applicable as free electives for degree programs.

FACS 4400. Senior Seminar I. 1 hr.

A special topics seminar designed to study the global and cultural issues related to Family and Consumer Sciences. PR: Senior standing.

FACS 4401. Senior Seminar II. 1 hr.

An advanced special topics seminar designed to study the career, technical, and professional issues related to Family and Consumer Sciences. PR: Senior standing.

FACS 4431. Methods and Materials in Teaching Family and Consumer Sciences. 3 hrs.

A study is made of the philosophy and goals of teaching vocational Family and Consumer Sciences at the middle, secondary and post-secondary levels. Students will learn methods, procedures, techniques, and resources for teaching the subject, and will analyze the selection of equipment and supplies to manage a Family and Consumer Sciences department.

FACS 4492. Child Development Internship. 4 hrs.

The student will participate in an Early Childhood Education Center as a student assistant. PR: EC 2262.

FACS 4499. Special Topics in Family and Consumer Sciences. 1-3 hrs.

A course designed to study special selected topics, to be determined by the instructor and approved by the coordinator. Credits earned will be applicable as free electives for degree programs.

FINANCE

(School of Business)

FINC 1180. Principles of Banking. 3 hrs.

This course is a survey of and introduction to the field of banking, with some concentration on the functions and operations of commercial banks. It also covers other depository institutions, non-bank financial entities, the Federal Reserve System, the nature of interest, bank regulation, the vocabulary of banking and some current banking issues.

FINC 2201. S-FSU Introduction to Financial Management. 3 hrs.

This course is intended to give the student a background in the field of financial management, with emphasis on cost of capital, cost of external capital, cost of retained earnings, and similar concepts. It will also cover material investment decisions and financial decisions.

FINC 2260. Real Estate Principles. 3 hrs.

A general introduction to real estate as a business and as a profession, this course is designed to acquaint the student with the wide range of subjects and terminology necessary to the practice of real estate. The course will include the nature of real estate and ownership, principles and concepts of title transfer, title insurance, real estate marketing, financing, leasing, taxation, insurance, development, appraising and state license law. The objective of the course is to equip the student with concepts needed to continue successfully in future real estate courses, and to pass the real estate salesmen's license examination.

FINC 2270. Principles of Insurance. 3 hrs.

This course is primarily concerned with developing an understanding of the basic principles of insurance, as well as the nature and operation of the insurance business. Emphasis is given to the principles which underlie the entire field of insurance. Students will develop understanding of the fundamental areas of indemnity, insurable interest, coinsurance, risk, subrogation, proximate cause, other insurance, requisites of insurable risks, deductibles, valued policies, probability and many others. The important functional areas of rating, underwriting, marketing and adjusting are considered, as well as the subjects of regulation, reinsurance and company organization.

FINC 2288. Consumer Lending. 3 hrs.

This course covers both the theory and practice of installment lending. Topics include credit evaluation, open- and closed-end lending, forms and terminology of lending, loan policy development, marketing, collections, law and regulation, direct and indirect lending, credit insurance, rate structure and yields. PR: FINC 1180 or instructor's consent.

FINC 2294. Commercial Lending. 3 hrs.

This course provides a conceptual framework for the study of commercial lending. It focuses on how the commercial lending business is organized, how it contributes to bank profitability and the total commercial lending process. PR: FINC 1180 or instructor's consent.

FINC 2295. Bank Internship. 3 hrs.

Selected students are placed in part-time banking positions with area financial institutions. The student has the opportunity to put theory into practice, while developing competencies through on-the-job training. Only full-time students pursuing a Bachelor of Science degree may participate in the program. Preference is given to students with a concentration in Finance or Accounting. This course may be repeated for up to six hours' credit. PR: FINC 1180, ACCT 2201, 2202, or instructor's consent.

FINC 3307. Personal Finance. 3 hrs.

A study of the problems a consumer must face in his or her day-to-day buying and living. It includes a brief survey of budgets, life insurance, investments, managing personal finance, buying services and other consumer issues.

FINC 3350. Investments. 3 hrs.

This is an introductory survey course covering the broad field of investments, with a descriptive rather than quantitative approach. There is substantial emphasis on terminology and vocabulary, and the course covers fixed- and variable-return investments, options and futures, markets and brokerage operations, portfolio theory and analysis and real estate investments.

FINC 3384. Bank Management. 3 hrs.

This course examines the principles and practices of contemporary bank management. It covers the various aspects of bank organization and operation, capital formation and utilization, asset/liability management, planning, law and regulation, internal control, competition and deregulation, the evolution of banking and some selected current issues in banking.

FINC 3385. Analyzing Financial Statements. 3 hrs.

This course provides the student with the necessary techniques and tools to evaluate the financial condition and operating performance of a modern business. It will cover the terminology of financial analysis, horizontal and vertical analysis, financial ratios, pro-forma statements, funds flow analysis, break-even analysis and other analytical tools. PR: ACCT 2201, 2202.

FINC 3387. Bank Simulation. 3 hrs.

The simulation presents an integrated approach to bank management that reinforces technical and functional management skills. Students function as members of a bank management team, whose responsibilities include analysis and planning, organizational structure, administration, policy formulation and implementation.

FINC 3392. Trusts and Estate Planning. 3 hrs.

This course provides an overview of the law of wills, trusts, gifts and estates. Various strategies for reducing the taxation of gifts and estates will be addressed. Also included is the nature of the functions and services of a bank trust department.

FINC 4410. Managerial Finance. 3 hrs.

This advanced course is designed to extend the coverage of the field of corporate finance, with emphasis on capital budgeting, risk, capital structure and dividend policy and financing decisions. Special topics covered will include mergers and acquisitions, financial distress and international corporate finance. PR: FINC 2201.

FINC 4412. PC Applications for Managerial Finance. 3 hrs.

This course is designed to enable students to master the concepts and techniques of corporate finance using PC applications. The course will be taught in the computer lab, making extensive use of spreadsheet models and templates. The effect of policy will be measured and analyzed, and problems solved through the use of multiple case studies. Topics to be covered include financial analysis, financial forecasting and planning, capital budgeting and cost of capital. PR: INFO 1100, FINC 2201, 4410.

FOLKLORE STUDIES

(College of Liberal Arts)

FOLK 2200. S-FSU Introduction To Folklore. 3 hrs.

This course is an introduction to conceptual foundations in folklore, such as its social base, tradition, folklore and cultural history, folklore as projection, genre, function, structure, text and context, through a historical and philosophical survey of approaches to folklore topics. Emphasis will be placed on the Appalachian cultural perspective. A field study lab of one hour will accompany this course.

FOLK 2201. Lab Field Research/Oral History Techniques. 1 hr.

This lab must be taken along with Introduction to Folklore before any of the other courses in the program. It is a study of the theories, techniques and procedures of field research as they apply to all folk study genres, along with the legal and ethical considerations, uses and planning of local oral history projects.

FOLK 3300. Folk Literature. 3 hrs.

This course is an analysis of the components and genres of oral folk literature through poetry (the folk song, ballad and instrumentation), narrative (myths, legends, folktales, fables, morals, anecdotes, personal narratives and other forms of folk narrative), and language (verbal lore, such as dialect/accents, beliefs and superstitions, proverbs, sayings, riddles and jokes) within the contextual process of perpetuation (storytelling) and preservation (collecting and motifying). Emphasis will be placed on the Appalachian cultural perspective. A field study will be part of the course. Also listed as FOLK 3300. PR: ENGL 1104, 1108.

FOLK 3301. Material Culture. 3 hrs.

A study of the tangible evidence of civilization, through the perspective of the Appalachian culture. Material culture is presented within the context of folklife and traditional craftsmanship, including crafts, art, traditional foodways, clothing, tools and technology. Students will examine the study of material folk culture from various methodological and theoretical perspectives, including artifactual analysis and fieldwork. PR: FOLK 2200.

FOLK 3302. Regional Cultural Geography and History. 3 hrs.

A study of regional personality through the relationship and attitudes of people to land and land use, along with migration patterns, archaeological perspectives, behavior and popular customs. In a field study, archival techniques and research will be examined. PR: FOLK 2200.

FOLK 4400. Directed Folklore Study. 3-6 hrs.

This course provides intensive study, reading, and research of a folklore topic selected by a student with an opportunity to mentor with a specialist in the field. Topics will be interdisciplinary, such as the following: Appalachian (Regional/Written) Literature, Ethnography and Process of Storytelling, Urban and Popular Culture, Children's Folklore, Traditional Folk Music (Vocal and Instrumental), Appalachian African-American Lore, Rural Education, Arthurian Legend: Comparative Folk Literature Study, and Vintage Clothing Preservation. Note: If an existing course is available on campus reflecting any of these topics, a student may opt to take it, with the approval of the Folklore Studies advisor. The West Virginia Folklife Center at Fairmont State and the Folklore Studies advisor will also help students to network with specialists in the community. PR: All other courses in the minor program. This course is for seniors only.

FOLK 4401. Folklore Applications. 3 hrs.

An analysis of the various areas of folklore application, ranging from teaching/pedagogy, museum interpretations, and publications to the care, interpretation and presentation of artifacts. An internship and/or individual project will conclude the course. PR: All other courses in the minor program. This course is for seniors only.

FOOD SERVICE MANAGEMENT

FOSM 1110. S-C&TC Nutrition. 3 hrs.

This course is a study of nutrients, their sources, and their relationship to bodily functions. Students will examine each stage of the life cycle as it relates to changing nutritional requirements for individuals and family groups of varying cultural and economic levels. Students will evaluate their daily nutritional intake against recommended daily allowances.

FOSM 3323. Advanced Quantity Foods. 3 hrs.

This course is a continuation of FOSM 2223 and focuses on more complex food service methods, including meats, fish, poultry, cheeses, eggs, dairy products and baked items. PR: FOSM 2223.

FOSM 3328. Food Purchasing, Menu Planning, and Cost Controls. 3 hrs.

This course is a study of menu planning, utilization of standardized recipes and food purchasing as it relates to cost controls. PR: FOSM 2228.

FRENCH

(College of Liberal Arts)

FREN 1101. S-FSU Elementary French I. 3 hrs.

This introductory course covers pronunciation, oral comprehension and speaking, reading and written drill and composition and elements of grammar. Laboratory.

FREN 1102. S-FSU Elementary French II. 3 hrs.

Continuation of 1101, completing the basic grammatical principles. PR: FREN 1101 or one year of high school French.

FREN 1199. Special Topics in French 1-12 hours

Studies in special selected topics, to be determined by the instructor and approved by the chairperson. Credits earned will be applicable as free electives in degree and certificate programs.

FREN 2201. S-FSU Intermediate French I. 3 hrs.

A course designed to reinforce and increase knowledge of vocabulary and grammar. The course consists of extensive reading, review of grammar and continued attention to pronunciation and speaking. Engaging reading materials, such as short stories, are emphasized. Laboratory. PR: FREN 1102.

FREN 2202. S-FSU Intermediate French II. 3 hrs.

The continuation of FREN 2201. PR: 2201, or equivalent.

FREN 2220. French Special Topics II. 3 hrs.

A diversified study of the daily life and environment of present-day France and French-speaking peoples, placed in relation to the language. Emphasis is on a realistic, practical approach to language use. Work is individualized to fit the language-level and interest of the student.

FREN 3301. Literature of the Seventeenth Century. 3 hrs.

This course focuses on the plays of Corneille, Racine and Moliere, with outside reports on other classical writers. Comprehension, speaking, reading and writing are all stressed. PR: FREN 2202.

FREN 3310. Special Topics in French. 3 hrs.

Supervised independent study reflecting the student's needs and interests.

FREN 3311. French Composition and Conversation I. 3 hrs.

This course covers writing, conversation and aural comprehension, with extensive use of audio-visual aids. Emphasis on practical proficiency, grammar, vocabulary building, and phonetics. PR: FREN 2202 or equivalent.

FREN 3312. French Composition and Conversation II. 3 hrs.

Parallel course to FREN 3311, with content emphasizing French civilization and culture. PR: FREN 2202 or equivalent. *Note: 3311 and 3312 may be taken in any order.*

FREN 3314. French Civilization and Culture. 3 hrs.

A study of France's basic historical development and significant contributions to civilization, its outstanding figures, its geography, traditions, contemporary social patterns, legends, songs, and influence on the United States. The instructional method emphasizes French conversation and extensive use of tapes, slides, and motion pictures. PR: FREN 2202.

FREN 3315. French Film. 3 hrs.

This course consists of a study of the art and history of the French cinema. Filmmakers such as Abel Gance, Jean Vigo, Jean Renoir, Jacques Tati, Francois Truffaut, Louis Malle, Alain Resnais, and Jean-Luc Goddard will be studied. Students will explore the significance of this medium in modern society, and its relationship to the arts as well as humankind.

FREN 3321. Contemporary Literature. 3 hrs.

This course focuses on outstanding writers of the twentieth century, such as Camus, Ionesco, Proust and Sartre. Emphasis is on reading comprehension. PR: FREN 2202 or equivalent.

FREN 3330. Special Topics-French Literature in Translation. 3 hrs.

This course explores French literature from the Middle Ages to the twentieth century. It examines the writings of major French poets, philosophers, playwrights and other authors, and their possible literary connections with American and/or English literary figures.

FREN 4411. Advanced French Composition and Conversation. 3 hrs.

In this course, students will develop writing and conversational skills and aural comprehension on an advanced level, with extensive use of audio-visual aids. Emphasis is on attaining a high level of proficiency in grammar, vocabulary and pronunciation. This should be taken as late as possible in the sequence of courses. PR: FREN 3312 or equivalent, including one previous conversation course.

FREN 4426. Main Currents of French Literature and Culture. 3 hrs.

A coordinated study of French literature and culture from a thematic and unitary standpoint. The main and unique currents of French contribution to world civilization are distinguished. Texts are taken from the Middle Ages to the Modern period, with selections from all genres. PR: FREN 2202.

FREN 4430. Business French. 3 hrs.

This course stresses knowledge of a more technical and professional aspect of the French language. Students will create model business situations, write letters and business proposals, and become accustomed to French usage on the Internet. PR: FREN 3311, 3312.

FREN 4431. Methods and Materials in Teaching French. 3 hrs.

Study and practice in teaching French language and literature, grades 5-Adult.

GEOGRAPHY

(College of Liberal Arts)

GEOG 1199. Special Topics in Geography. 1-12 hrs.

Studies in special selected topics, to be determined by the instructor and approved by the chairperson. Credits earned will be applicable as free electives in degree and certificate programs.

GEOG 2210. S-FSU Introduction to Geography. 3 hrs.

An introduction to the physical and cultural elements of geography, with a study of major geographical regions of the world.

GEOG 3305. Economic Geography. 3 hrs.

A geographic study of the production, consumption and exchange of goods by people throughout the world. Consideration is also given to spatial variations and influences of the natural environment and culture.

GEOG 3315. Urban Geography. 3 hrs.

A study of urbanization process, including origin, growth, function, spatial patterns, structure and hierarchical arrangement of urban centers. Students will also examine urban problems, with special references to American cities.

GEOG 3330. Geography of North America. 3 hrs.

A course in regional economic geography, primarily of the United States and Canada, from the standpoint of man's activities in relation to his natural surroundings and resources.

GEOG 3340. Geography of Europe. 3 hrs.

A study of the important geographic concepts concerning man's activities in Europe and their importance to the United States and the rest of the world. A general overview will be made of Soviet European geography.

GEOG 3350. Geography of Latin America. 3 hrs.

This course is a regional study of South America, Central America, Mexico and the West Indies.

GEOG 3360. Geography of Africa. 3 hrs.

A regional survey of the continent, examining the great diversity that characterizes the area. Emphasis is placed on the complexity of its political pattern, natural resources, economic development and physical setting.

GEOG 3370. Geography of Asia. 3 hrs.

The study of Asia for the purpose of understanding the various Asian nations, their economic-geographic regions, major commodities, industry, commerce and major problems.

GEOG 3399. Maps and Diagrams. 3 hrs.

This course covers statistical data through different kinds of diagrams, such as bar, pie, ring, and block diagrams and graphs; the preparation and understanding of maps and introduction to the application of computers for maps and diagrams.

GEOLOGY

(College of Science and Technology)

GEOL 1101. S-FSU Physical Geology. 4 hrs.

This course is an introductory study of the materials, structures and forces in the earth. Topics include weathering, hydrology, glaciers, earthquakes, landslides, and volcanoes; students will also examine the physical and chemical processes that contribute to the earth's changing form and shape. Both surface and internal processes are covered, with emphasis on the interaction between these processes, including the theory of plate tectonics. Three hours of lecture and two hours of lab per week. Lab includes field trips.

GEOL 1102. S-FSU Historical Geology. 4 hrs.

An introduction to the history of the earth from its origins to the present day. The evolution of the earth's oceans, ocean basins, atmosphere and life forms are also studied. The study of past life and continental position in geologic time is based on the interpretation of fossils, rocks, continental drift and plate tectonics. Three hours of lecture and two hours of lab per week. Lab includes field trips. PR: GEOL 1101.

GEOL 1103. S-FSU Introduction to Environmental Geology. 4 hrs.

This course explores the practical application of elementary geologic principles to everyday environmental problems. It also covers hazardous earth processes, including landslides, volcanoes, and earthquakes, as well as geologic aspects of human-induced problems such as mining, mineral production, subterranean waste disposal, and water and land use. Three hours of lecture and two hours of lab per week. Lab includes field trips. PR: GEOL 1101.

GEOL 1199. Special Topics in Geology. 1-12 hrs.

Studies in special selected topics, to be determined by the instructor and approved by the School's chairman. Credits earned will be applicable as free electives in degree and certificate programs.

GRAPHICS TECHNOLOGY

(College of Science and Technology)

GRAP 1100. S-C&TC Graphic Communications Processes. 3 hrs.

This course is an introduction to the graphic arts and deals with the basic methods of placing visual elements on receiver materials. An investigation is made of relief, intaglio, planographic, porous, and electrostatic methods of printing. Students will also learn about continuous tone photography, basic bindery operations, and introductory micro-computer operation. Course activities include the use of introductory word processing and basic painting and drawing software.

GRAP 1150 S-C&TC Computer Applications to Graphics. 3 hrs.

An assessment of the impact of "Intelligent Electronics" on the graphics industry and the development of computer applications to the solution of graphic-related situations. With an emphasis on the Apple Macintosh, there is a thorough coverage of microcomputer fundamentals, operating systems and computer programs, including the spreadsheet, database and various types of graphic software. The student becomes involved in both theoretical and hands-on experiences.

GRAP 2200. S-C&TC Introduction to Desktop Publishing. 3 hrs.

This course presents the basics of the creation of copy, with an emphasis on composition and typography. Students will produce tangible, photo-ready art and introductory electronic prepress images, using the Apple Macintosh. Students will experiment with single and multiple color paste-up techniques, forms layout, cropping and scaling of photographs, and media conversion. CR: GRAP 1150.

GRAP 2210. S-C&TC Graphics - Methods and Materials. 3 hrs.

This intermediate course further explores the tools, materials, and processes used in both the traditional and current digital methods of converting camera-ready images to print. Students will investigate introductory process camera, film assembly, press operation and bindery. Both theoretical knowledge and hands-on experience in the use of printing equipment will be employed. PR: GRAP 1100.

GRAP 2225. S-C&TC Basic Photography. 3 hrs.

A beginning course in the utilization of the hand-held camera. Emphasis is placed on the taking of pictures and the processing of black and white film. Topics covered include film and film processing, camera basics, camera formats, lens types, portrait photography and photographic ethics.

GRAP 2230. S-C&TC Layout and Design I. 3 hrs.

Printed materials will be analyzed in terms of design, effective use of type and color. Students will acquire knowledge of art specification and preparation for reproduction. Class time will be given to the design and production of original work. PR: GRAP 2200.

GRAP 2235. S-C&TC Layout and Design II. 3 hrs.

A continuation of GRAP 2230. The student continues work on thumbnail, rough and comprehensive layouts for presentation to the customer. PR: GRAP 2230.

GRAP 2250. S-C&TC Graphics Practicum. 4 hrs.

Supervised on-the-job learning/work experience with a cooperating business or college in-house graphics production area. Students will gain experience in the graphics-related specialties of the selected practicum training center. PR GRAP 2210.

GRAP 2255. Advanced Image Transfer. 3 hrs.

This course is a continuation of the press-related portion of GRAP 2210 and is a self-paced course. More advanced set-up, single and multicolor operation, troubleshooting, basic press maintenance, film assembly, and safety considerations are included. Students will complete several multicolor projects during the course. PR: GRAP 2210.

GRAP 2265. S-C&TC Estimating and Cost Analysis. 3 hrs.

This course covers production planning, scheduling, materials

purchasing, and personnel management in print production operations. Accurate, orderly systems, including computer solutions are used to estimate costs, material, equipment and labor.

GRAP 2270. S-C&TC Screen Printing Techniques. 3 hrs.

An examination of screen process stencil systems, substrates, inks, framing methods and fixtures. Students will gain experience in the printing of flat objects, textiles, pressure sensitives, decals and cylindrical objects. Both single color and multicolor imaging will be covered.

GRAP 2275. Production (Offset/Screen Printing). 3 hrs.

This self-paced course provides practical experience in the production of department or school newsletters and other offset and screen-printed graphic products.

GRAP 2280. S-C&TC Electronic Publishing. 3 hrs.

This course is a continuation of GRAP 2200, specifically oriented towards the production of computer-based publishing using Apple Macintosh. Students will gain experience in more advanced electronic composition and pagination. PR: GRAP 2200.

GRAP 2290. S-C&TC Electronic Art and Computer Imaging. 3 hrs.

Students will use illustration and painting software for the creation of high-resolution, commercial-quality course projects. The course will cover microcomputer workstations, flatbed scanners, electronic cameras and image processing software for use in retouching, manipulating and enhancing images. PR: GRAP 1150.

GRAP 3305. Production (Electronic Publishing/Imaging). 3 hrs.

Students will create digital media, newsletters, or other graphic products developed by departments or schools within the University. Baccalaureate majors only.

GRAP 3310. Advanced Photography. 3 hrs.

A continuation of GRAP 3300, covering such areas as advanced black and white work, large format camera work and color photography. PR: GRAP 3300.

GRAP 4400. Computer Animation and Multimedia. 3 hrs.

This course covers basic techniques of computer animation, presentation software for creation of digital animation, motion and multimedia. Activities include exercises using QuickTime™, HyperCard™, and still and motion digital captures of television video. PR: GRAP 1150.

GRAP 4410. Special Topics - Graphics. 3 hrs.

This self-paced course is an opportunity to investigate and produce a senior project in a field not included in the regular listing of graphic communications courses, or in greater depth in an area currently offered. Baccalaureate majors only. Must have permission.

HEALTH EDUCATION

(School of Education/Health and Human Performance)

HLTA 1100. S-FSU Personal Health. 2 hrs.

This course examines the meaning and significance of the physical, mental, social and environmental factors of health and safety as related to the individual and to society. Students will focus on important phases of related national problems, with an emphasis on college students and their current needs.

HLTA 1150. S-FSU Introduction to Health . 3 hrs.

This course is an in-depth study of several content areas relating to health, contemporary health problems and reciprocal relationships involving man, disease and the environment. Students will explore the significance of the physical, mental, social, and environmental factors of health and safety as related to the individual and to society.

HLTA 1199. Special Topics in Health. 1-12 hrs.

Special topics will be studied, to be determined by the instructor and approved by the School's chairman. Credits earned will be applicable as free electives in degree and certificate programs.

HLTA 2200. Foundations of Health Education. 3 hrs.

Examines the historical, philosophical, sociological and scientific foundations of health education as it relates to the present educational system and a changing society.

HLTA 2202. Community and Environmental Health . 3 hrs.

The course presents the philosophy, organization, identification and function of federal, state, and local public health agencies, and their role in dealing with community health, environmental health, and safety problems.

HLTA 3310. School Health and Safety. 3 hrs.

Investigation of comprehensive approaches to the development of school health and safety programs, based upon contemporary needs and problems.

HLTA 3325. Organizational and Planning Strategies in Health Education. 3 hrs.

The purpose of this course is to develop strategies for organizing and planning a health education program. Emphasis is placed on pre K-adult curriculum development and design of teaching units.

HLTA 3370. Contemporary and Drug Behavior Issues. 3 hrs.

This course covers the identification, analysis, and evaluation of the most critical health problems confronting our society, including drug abuse and addiction.

HLTA 4400. Health Education for the Elementary School. 3 hrs.

This course addresses specific areas of health relating to the needs of elementary school children.

HLTA 4410. Seminar in Public Health Education. 3 hrs.

A presentation of the historical and philosophical development of public health agencies, including governmental aspects, legal bases, organizational principles, personnel factors and public relations. Periodic field trips are included during the second half of the semester.

HLTA 4415. Human Sexuality. 3 hrs.

The student will learn to identify the trends, issues and content necessary to analyze and develop methods and materials in sex education.

HLTA 4450. Field Practicum in Public Health. 4 hrs.

Provides experience in field practice in public health for one semester under supervision of public health professionals. Pass/Fail only.

HISTORY

(College of Liberal Arts)

HIST 1107. S-FSU United States History I. 3 hrs.

Examines the major developments in American history, from pre-Columbian native American cultures to the end of the Civil War, with emphasis on the Colonial, Revolutionary, Early Republic and Civil War eras.

HIST 1108. S-FSU United States History II. 3 hrs.

Examines the major developments in American history, from Reconstruction to the present with emphasis on the political, social, cultural, economic and diplomatic forces that contributed to America's emergence as the world's leading industrial democracy.

HIST 2211. S-FSU World Civilizations I. 3 hrs.

An intermediate-level survey of worldwide historical developments, emphasizing major civilizations in pre-historic times, ancient empires and the early Middle Ages. Recommended for sophomores and well-prepared freshmen.

HIST 2212. S-FSU World Civilizations II. 3 hrs.

An intermediate-level survey of worldwide historical developments, emphasizing major civilizations from the Middle Ages to the social, political, and industrial revolutions of the eighteenth century. Recommended for sophomores and well-prepared freshmen.

HIST 2213. S-FSU World Civilizations III. 3 hrs.

An intermediate-level survey of worldwide historical developments from the French Revolution of 1789 to the present era, emphasizing major civilizations and the modern growth of global interdependence. Recommended for sophomores and well-prepared freshmen.

HIST 3301. History of Intelligence and National Security. 3 hrs.

An intermediate-level course on the origins, developmental milestones, important events and policies that shaped the United States' intelligence infrastructure. There will be discussion of national security policy and actions that have been implemented, and analysis of their effectiveness. This course will develop skills in research, editing, writing and presentation. Students will be required to research assigned topics, collect documentation, edit references, write an analysis of a proposed course of action, and support a recommended course of action in an oral briefing with graphic slides. The format of this course is designed to acquaint the student to the time-sensitive and volatile nature of collection, analysis, production and dissemination of intelligence information.

HIST 3302. West Virginia. 3 hrs.

This course covers West Virginia history, government and geography from the first settlements to the present time. PR: History 1107, 1108.

HIST 3310. Diplomatic and Military History of the United States. 3 hrs.

Addresses the relations between the United States and other countries, and the development of basic American foreign policies from the colonial background to the super-power status of the present day. Students will pay special attention to war and its foreign-policy consequences. PR: History 1107, 1108.

HIST 3315. Colonial America. 3 hrs.

Covers the American colonies from their beginnings to the end of the Revolutionary War. PR: History 1107.

HIST 3316. The Early Republic. 3 hrs.

Covers United States history from the Revolutionary War to the close of the Mexican War. PR: History 1107.

HIST 3317. Civil War and Reconstruction. 3 hrs.

This course examines the myriad causes of the Civil War, the social, economic, and political changes in the North and the South during the war, highlights key battles and campaigns, and explores the complex and difficult reunification and reconstruction of the Union and the defeated Confederacy following the war. PR: History 1107.

HIST 3318. The Gilded Age to the Great Crash. 3 hrs.

A history of the U.S. from 1877 to the attack on Pearl Harbor. Major topics include the Industrial Revolution, the labor movement, the New South, the Old West and Native Americans, the spoils system, populism, progressivism, World War I and the League of Nations, the Roaring Twenties, the Great Depression, the New Deal and the diplomatic crises of the inter-war years. PR: History 1108.

HIST 3319. Recent America Since 1941. 3 hrs.

Examines America's emergence as the leading world power. Topics to be explored will include World War II at home and overseas, the origins, rise and fall of the Cold War, the rise and fall of the liberal consensus, civil rights, feminism, Vietnam War and the anti-war movement and the new conservatism of the post-Nixon years. PR: History 1108.

HIST 3333. History of the American Woman. 3 hrs.

An examination of women's changing roles and contributions to American society. PR: History 1107 or 1108.

HIST 3344. African-American History and Culture. 3 hrs.

A survey of African-American experience in the United States, from the African cultural background and slavery through the present-day urban experience. PR: 1107 or 1108.

HIST 3351. History of England. 3 hrs.

This course covers England's history from Roman rule to the present day. PR: 2211 or 2212 or 2213.

HIST 3352. History of Russia. 3 hrs.

Development of the Russian people from the time of their appearance as a national entity, through the tsarist, imperial, revolutionary and Soviet eras to the present. PR: 2211 or 2212 or 2213.

HIST 4405. History of Africa. 3 hrs.

Survey of African history from prehistory to the present, with emphasis on the medieval, colonial, and modern periods. PR: 2211 or 2212 or 2213.

HIST 4410. History of Asia. 3 hrs.

An intensive survey of Asian cultural developments from prehistory to the present, with special emphasis on the impact of the West on Asian nations. PR: 2211 or 2212 or 2213.

HIST 4420. History of Latin America. 3 hrs.

Topics include conquest and colonial developments in South America, from Columbus to Latin America's role in contemporary perspectives. PR: 2212 or 2213.

HIST 4425. Medieval Europe. 3 hrs.

This course covers formative development in intellectual, social, economic, and political history of medieval Europe, beginning with the fall of Rome. PR: 2211 or 2212.

HIST 4431. Recent Europe. 3 hrs.

A study of problems of readjustment in the 20th century: the League of Nations, fascism and Communism, the World Wars, the Cold War, and the European community. Spring semester only. PR: 2212 or 2213.

HIST 4455. Revolutions in History. 3 hrs.

A study of revolutionary thought and action as a force in world history since ancient times. Major topics include the American and French Revolutions of the eighteenth century, the Chinese and Russian Revolutions of the early twentieth century, and a sampling of more recent revolutionary movements in representative regions of the world. PR: 2211 or 2212 or 2213.

HIST 4475. Philosophy of History. 3 hrs.

A survey of the philosophical systems, both speculative and analytical, that have been advanced to evaluate humanity's historical experience. Credit in either philosophy or history. PR: 2211 or 2212 or 2213 or Philosophy 2200.

HIST 4498. Senior Seminar. 3 hrs.

An identification, review, and historically-oriented synthesis of major concepts in the fields of geography, history, political science, psychology, sociology and economics. Required of history and Social Studies Comprehensive Education majors, but open to all. PR for history majors: senior standing. Fall semester only.

HIST 4499. Selected Topics. 3 hrs.

Advanced study of topics specially selected by members of the history faculty according to student demand. No more than two Special Topics courses may count toward a major in history.

INFORMATION SYSTEMS

(School of Business)

INFO 1100. S-C&TC Computer Concepts and Applications. 3 hrs.

This course will provide students with a survey of fundamental computing concepts and applications, and will offer a useful foundation upon which students can develop skills necessary to become effective users of information systems. The primary focus of this course will be on productivity software applications, including word processing, spreadsheet, database, the Internet and presentation software. This course fulfills three hours of the First Year Experience. (Competency may be demonstrated.)

INFO 2200. S-FSU Fundamentals of Information Systems. 3 hrs.

The course is an introduction to basic business information systems, including networking, systems analysis and design. PR: INFO 1100.

INFO 2205. S-C&TC Information Technology: Hardware and Operating Systems. 3 hrs.

This course provides the hardware and operating system concepts necessary for system design. System architecture and operating systems are considered for single- and multiple-user computer systems. PR: INFO 2200.

INFO 2210. S-C&TC Applied Business Programming. 3 hrs.

This course fosters an understanding of the capabilities and limitations encountered in programming information processing applications. The student will independently write programs which create, update and process disk files. General business programming concepts are emphasized, rather than computer science fundamentals. This course may not be substituted for Computer Science 1100, 1101, or 1102, and is not open to students with credit in COMP 1108. PR: MATH 1107, INFO 2205.

INFO 2220. S-C&TC Spreadsheet Design. 3 hrs.

This course is designed to introduce spreadsheet modeling and design. Through hands-on computer work, the student will become familiar with a spreadsheet application package. The course will stress good design techniques as well as spreadsheet techniques and model building. PR: INFO 1100 or Computer Science 1100, and ACCT 2201.

INFO 2235. S-FSU Microcomputer Applications in Business. 3 hrs.

This course will provide the opportunity to develop and use basic decision support systems. A problem-solving approach is used to introduce students to the modern business decision-making process. The emphasis is on making business decisions by using and customizing off-the-shelf software. PR: INFO 1100.

INFO 2250. S-C&TC Networking Fundamentals. 3 hrs.

This course provides an in-depth knowledge of data communications and networking requirements, including networking and telecommunications technologies, hardware and software. Students will explore the analysis and design of networking applications in organizations. Management of telecommunications networks and evaluation of connectivity options are also covered. Students learn to evaluate, select and implement different communication options within an organization. The course consists of two hours of lecture and two hours of lab per week. PR: INFO 1100.

INFO 2251. S-C&TC Router Theory and Router Technologies. 3 hrs.

This course examines the theory and technology of routers, including router programming, configuration and protocols. The course consists of two hours of lecture and two hours of lab per week. PR: INFO 2250.

INFO 2252. S-C&TC Advanced Routing and Switching. 3 hrs.

This course covers advanced routing and switching concepts. It is a

continuation of INFO 2251. The course consists of two hours of lecture and two hours of lab per week. PR: INFO 2251.

INFO 2253. S-C&TC Project-Based Learning. 3 hrs.

This course covers advanced Wide Area Network technologies. It is a continuation of INFO 2252. The course consists of two hours of lecture and two hours of lab per week. PR: INFO 2252

INFO 3310. Systems Analysis and Design. 3 hrs.

Students in this course are introduced to the analysis and design of computerized systems for handling the data processing requirements of a typical business. Topics discussed include information flow, file design, systems integration, system security and controls. Students are required to write portions of the system specifications for a model business application. PR: INFO 3339 and 3340.

INFO 3339. Programming, Data and File Structures. 4 hrs.

This course provides an understanding of data, files and business reports. It requires students to plan, write and process business programs which stress data and file manipulation. The course also includes the principles of effective business report design. PR/CR: COMP 2205.

INFO 3340. Advanced Application Development. 4 hrs.

This is an advanced course in application programming. This course includes table handling, sorting, external report generation, file updating and video forms design, and object-oriented programming. PR: Grade of C or better in INFO 3339.

INFO 3350. Internship in Information Systems. 3 hrs.

This internship course is designed as a learning experience which requires the integration of information systems theory with actual job experience in an information systems department. The student must be enrolled in the four-year information systems program. The employer is responsible for evaluating and reporting the development of the student. PR: INFO 3310, 3339, 3340 and junior status.

INFO 3373. Management/Human Resources Information Systems. 3 hrs.

This course uses current technology to examine business management, control, and decision-making, with emphasis on management and human resources. Focus areas include application, performance, system design, planning, development, implementation and evaluating existing software. PR: INFO 2235, MGMT 2209, 3308 or instructor's consent.

INFO 4420. Database Design and Implementation. 3 hrs.

This course covers information systems design and implementation within a database management system environment. Students will demonstrate their mastery of the design process acquired in earlier courses by designing and constructing a physical system, using database software to implement the logical design. The class will use Microsoft Access or Oracle, when available, for logical database design. Data models and modeling tools, CASE tools, code/application generation and client-server planning are among the topics to be covered. PR: INFO 3310, 3339 and 3340.

INFO 4430. Special Topics in Information Systems. 3 hrs.

Current topics of interest in information systems, to be selected by the instructor and approved by the department coordinator and Dean. Typical topics include application design using Visual Basic or client-server program development using Oracle. PR: INFO 3310, 3339 and 3340.

INTERDISCIPLINARY STUDIES

INTR 1100. S-C&TC Race, Class and Gender. 3 hrs.

An introductory multicultural course which explores race, class, gender, ethnicity and the dynamics of their interrelationships in American society. Themes include personal identity, power and change. Students

will examine interdisciplinary methodologies in the humanities and the social sciences, including historic, psychological, sociological, economic, educational, and artistic approaches.

INTR 1120. S-FSU Experiencing the Arts. 3 hrs.

Introduction to appreciation of the arts through lectures/demonstrations by teachers in the visual arts, music and theatre. Organized thematically, the course offers an opportunity to explore relationships between various artistic media, as well as their relationships with other disciplines. The course will also consider the circumstances which have shaped these relationships and the ways in which contemporary culture conditions how we respond to and interpret art and performance today.

INTR 2201. S-FSU Introduction to Women's Studies. 3 hrs.

This is an interdisciplinary course which will focus on a variety of topics in women's studies, such as gender and science, the body, reproductive technologies, public policy and feminist theory. Class discussions will examine positions among feminist ethicists on the implications of gender definition and explore the construction of gender in our society.

INTR 2280. S-C&TC Empowering Leadership. 3 hrs.

The purpose of this course is to help prepare students to assume increasingly responsible leadership roles in their personal, professional and academic lives. This interdisciplinary, student-centered course focuses not only on significant theories of leadership and their applicability to leaders of the past and present, but also includes substantial hands-on, experiential learning opportunities in which students practice their own leadership skills. PR: A score of 17 or above on the ACT English test and a passing writing sample score, or successful completion of Composition Skills 0097.

INTR 2281. S-C&TC Great Ideas of Leaders. 3 hrs.

This interdisciplinary humanities course explores some of the most significant ideas of leaders and the questions they have posed to humankind. Topics include the intersection of leadership with the heroic myth, the nature of government, justice, wealth, culture, the mind, poetics, ethics, good and evil, power and authority, concepts of nature, issues of faith and values-based leadership. PR: INTD 2280.

INTR 4401. Capstone Seminar in Forensic Science. 3 hrs.

Designed to help students synthesize and apply, in a forensic science context, the approaches, knowledge and skills acquired in criminal justice, biology, chemistry, mathematics and physics courses. The course structure consists of student-driven case studies and discussions from recent literature, student presentations describing internship experiences and an explicit formal introduction to established professional and laboratory practices in forensic sciences, including ethics. PR: BIOL 3390 And CHEM 2215 AND CRJU 3300 or approval of the Forensic Science Coordinating Committee.

INTR 4402. Seminar in Women's Studies. 3 hrs.

This is a capstone course designed as an interdisciplinary overview of topics that may range from a general survey of gender theories in a variety of disciplines to a more focused interdisciplinary theoretical approach, such as postmodernism and feminism, historical explanation of gender roles in western culture and the current debate among feminist ethicists. Discussions will include the works of salient writers such as Simone de Beauvoir. PR: INTD 2210 and one elective course.

JOURNALISM

(College of Liberal Arts)

JOUR 1199. Special Topics in Journalism. 1-3 hrs.

Staff participation on The Columns student newspaper, The Mound yearbook, Whetstone literary magazine or as a photographer for any student publication.

JOUR 2240. Reporting. 3 hrs.

Comprehensive study of fundamental writing forms, styles and mechanics for both print and broadcast media, including school

publications. This course gives students practical experience in basic writing styles used in scholastic, collegiate and professional mass media. Valuable as a test of writing ability and for making students into more discerning media consumers. Open to second-semester freshmen and above, to first-semester freshmen with previous high school journalism experience, or to those exempt from ENGL 1104. Three hours of lab required. (Enroll in both Journalism 2240 and Journalism L240.)

JOUR 2270. Communications in Society. 3 hrs.

Survey of mass media in a democratic society and an introduction to mass media career opportunities and preparation. This course may be of interest to those undecided about their careers, especially students with scholastic journalism experience. Offered online during fall and spring semesters, and fulfills the Writing Intensive Course requirement.

JOUR 2280. History of American Journalism. 3 hrs.

This course offers a comprehensive chronological presentation of the development of American mass media, by showing the relationship of the past to the events of today and delineating their impact on the American way of life. Examines the American press from the seventeenth century to date and freedom of press and its present implications. Offered online during fall and spring semesters, and fulfills the Writing Intensive Course requirement.

JOUR 3312. The Publications Process. 3 hrs.

Deals with the practical concerns typical to production of publications; may be of interest particularly to teachers who may supervise a student newspaper, yearbook, magazine or handbook. Students will be encouraged to work on various college publications, since hands-on knowledge of the skills necessary for publication production will be emphasized. Course topics include reporting, editing, proofreading, layout, typography, photo selection, graphic design, desktop processing and staff assessment and supervision. PR: ENGL 1108.

JOUR 3334. News Photography. 3 hrs.

Basic camera and developing techniques during four hours of lecture-laboratory time per week. Introduces photography as a means of documentation and a medium of expression. Camera, film supply, equipment and chemicals required. Taught with cooperation of Department of Technology. Limited enrollment.

JOUR 3341. Journalism Practice. 3 hrs.

This is the capstone course of the journalism major and minor programs. In this course, students are required to perform on-the-job duties during a 100-hour internship, gaining experience in a particular area of journalism, in accordance with the stated goals of the journalism program. Assessment of student achievement of these goals will occur through both a submitted portfolio and the employer's report on the quality of the intern's work. PR: JOUR 2240, 2270, 2280, 3312 and instructor's consent.

LIBRARY SCIENCE

(School of Education/Health and Human Performance)

LIBS 1105. Introduction to Library Science. 3 hrs.

This course is an introduction to the study of Library Science, and is designed to provide students with a firm foundation of the history, philosophy, theory, professional literature, issues and ethics related to the field. Students will explore the different kinds of libraries and their functions in society, as well as modern issues in librarianship. Students will also become familiar with the basic tools of librarianship. Ethical issues related to the field will also be examined and addressed.

LIBS 1199. Special Topics in Librarianship. 1-12 hrs.

Current topics of interest in library science, to be selected by the instructor and approved by the department coordinator and Dean.

LIBS 2200. Reference and Bibliography. 3 hrs.

An introduction to basic reference sources, including their analysis, use, evaluation and selection. Covers both printed and computer-based sources of information. Emphasizes practical reference skills. Spring semester only. PR: LIBS 1105.

LIBS 2209. Library Materials for Children. 3 hrs.

A study of the philosophy and principles used in evaluating and selecting materials to enhance the curriculum for younger children, and designing educational lesson plans with library resources for children from birth through 11 years of age. Different types of library resources for children will be identified, and their roles in libraries and education explored. Spring semester only. PR: LIBS 1105

LIBS 2210. Library Materials for Adolescents. 3 hrs.

A study of the philosophy and principles used in selecting materials and in designing library-media programs for young people. A wide variety of material is studied with an emphasis on collection development for young adults. Fall semester only. PR: LIBS 1105.

LIBS 3302. Cataloging and Classification. 3 hrs.

A hands-on course which covers descriptive cataloging, subject analysis and the creation of call numbers. Students will learn basic catalog management techniques, as well as technical processing skills. Fall semester only. PR: LIBS 1105.

LIBS 3303. Technologies and the Library. 3 hrs.

This course is an introduction to the history, function and management of technologies and non-book materials in the library. Through hands-on experience, the student will have the opportunity to operate and evaluate these technologies, components and other resources. Summer semester only. PR: LIBS 1105.

LIBS 3304. Organization and Administration. 3 hrs.

A study of the philosophies, objectives and methodologies involved in the operation of libraries. Emphasizes policies, guidelines and standards, budget, staff, equipment and facilities, public relations, reports and statistics. First semester only. PR: LIBS 1105, 2200, and 3303.

LIBS 3305. Libraries in the Educational Process. 3 hrs.

A study of the role of the library in the total school program. Focuses on the implementation of the school's goals through instruction, consultation and curriculum support activities. Emphasizes a resource-based approach to learning. Spring semester only. PR: LIBS 1105, 2209, or LIBS 2210, 3303 or instructor's consent.

LIBS 4400. Library Practice. 3 hrs.

This course provides a minimum of 100 hours of practical experience in a library. For a B.A. in Education, this course must be taken concurrently with EDUC 4490 or 4495. PR: LIBS 2200, 2210, 3302, 3303, 3304, and 3305.

MANAGEMENT *(School of Business)*

MGMT 2209. S-FSU Principles of Management. 3 hrs.

The emphasis in this course is on the modern approach to the field of management. Theoretical and practical approaches are presented, along with analytical techniques that are applicable in the various management and production areas.

MGMT 2214. Office Management. 3 hrs.

Students in this course will study management principles as they apply to job analysis, production measurement, paper-flow analysis, office design, work allocation and scheduling, construction and use of procedures manuals, forms design, criteria for equipment acquisition, staffing, supervising and motivating employees, labor-management

relations, employee benefits, and information distribution and retrieval technologies.

MGMT 3308. Human Resource Management. 3 hrs.

A study of the field of personnel management and industrial relations, including its background, development and modern practices.

MGMT 3325. International Management. 3 hrs.

The purpose of this course is to help students understand specific issues involved in managing the operations of an international business firm in an increasingly global environment.

MGMT 3370. Compensation and Benefits. 3 hrs.

A comprehensive exploration of all forms of employee compensation management and benefit plans, including the various types of benefits and compensation devices found in the business, labor, government and academic communities. Focus areas include pay structures, internal and external pay equity, compensation packages and designing and planning well-conceived, efficient employee benefits. PR: MGMT 2209, 3308.

MGMT 3371. Employee Relations. 3 hrs.

This course examines the dynamics of employee-management relations, with emphasis on unions. Emphasis on methods of reducing employee-management conflict, understanding the grievance process and the role of arbitration and the role of government in the employee-relations process. PR: MGMT 2209, 3308.

MGMT 3372. Human Resource Selection and Evaluation. 3 hrs.

An in-depth study of legal, methodological, and substantive issues related to selection and performance appraisal of employees. Focus areas include concepts of job analysis, validation, test development and administration, adverse impact analysis and affirmative action. PR: MGMT 2209, 3308.

MGMT 3390. Organizational Behavior. 3 hrs.

The purpose of this course is to introduce the student to the problems of human behavior in the organizational setting and the approaches available for solving these problems. Students will examine theories of individual, interpersonal and group behavior in organizations, and will follow this with considerations of how organizations may be designed to utilize the talents of the individuals, and how managers may make use of the theories of motivation, communication and interaction in accomplishing the objectives of the organization. PR: MGMT 2209.

MGMT 4400. Organizational Theory and Design. 3 hrs.

This course is designed to provide students with an awareness of how organizations are designed and structured. Emphasis is placed on structural characteristics of organizations, how to shape those characteristics and understanding their influences on the organization. PR: MGMT 2209.

MGMT 4402. Organizational Change and Development. 3 hrs.

The course uses an experiential learning approach that provides potential and practicing managers with behavioral science intervention theory and methods for improving organizational performance. The students' work will focus on planned change of organizational cultures and processes such as communication, team building, roles, conflict and structure, with the aim of enhancing management behavior, human resources and productivity. PR: MGMT 3390 or instructor's consent.

MGMT 4405. Operations Management. 3 hrs.

This course introduces students to various elements in the field of operations management. It covers the most common production and operations concepts encountered in modern production systems. Students will learn certain quantitative and statistical techniques that help evaluate the management of the firm's operations and performance. PR: BUSN 3310, MGMT 2209.

MGMT 4409. Quantitative Management. 3 hrs.

A study of the quantitative techniques which have been incorporated into the business environment in recent years. Menu-driven software

is used to find solutions to problems associated with the more popular management science techniques. PR: BUSN 3310.

MANUFACTURING ENGINEERING TECHNOLOGY

(College of Science and Technology)

MANF 1100. Materials and Processes. 3 hrs.

This course covers the scientific concepts underlying the basic, procurement, process, fabrication and finishing industries while studying the physical and chemical properties of the organic and inorganic materials utilized in today's industrial complex.

MANF 2205. Engineering Economy. 3 hrs.

Techniques of engineering economy as related to cost, design and selection of materials. PR: MATH 1102.

MANF 2250. Total Quality & SPC. 3 hrs.

The purpose of this course is to introduce students to concepts related to total quality management and statistical process control. Topics include the total quality concept, the contributions of W. Edwards Deming, quality and competitiveness, establishing a customer focus, leadership and teamwork, decision-making and problem solving, foundations of statistical process control and continuous improvement.

MARKETING

(School of Business)

MKTG 2204. S-FSU Principles of Marketing. 3 hrs.

A study of those business activities that direct the flow of goods and services from producers to consumers.

MKTG 2205. Salesmanship and Sales Management. 3 hrs.

This course is a study of techniques appropriate to personal selling and managing salespeople, both retail and contract. Students are given opportunities to construct and give presentations. PR: MKTG 2204.

MKTG 3305. Distribution and Logistics Management. 3 hrs.

The purpose of this course is to help students understand specific issues involved in distribution and logistics management. Systematic approaches to the formulation of distribution and logistical strategies will be discussed. PR: MKTG 2204.

MKTG 3310. Consumer Behavior. 3 hrs.

A study of the activities, behaviors and processes exhibited by consumers, directly involving the selection, procurement, consumption and disposition of products and services. PR: MKTG 2204.

MKTG 3320. Advertising and Sales Promotion. 3 hrs.

This is a survey course of social, psychological and some technical aspects of advertising and sales promotion for both business and journalism students. PR: MKTG 2204.

MKTG 3330. International Marketing. 3 hrs.

Focuses on specific issues involved in entering international markets and conducting marketing operations on an international scale.

MKTG 3340. Marketing Research. 3 hrs.

This course is designed to introduce students to the nature and scope of market research and its role in designing and implementing successful market programs. Among the topics covered are the market research process, research design, data collection and analysis. Basic and advanced statistics techniques will be discussed in detail, with emphasis on explaining the procedures, interpreting the results and uncovering the managerial implications. PR: BUSN 3310, MKTG 2204.

MKTG 3399. Special Topics in Marketing. 1-12 hrs.

This is an advanced studies course in special select marketing topics, to be determined by the instructor and approved by the Dean. PR: 12 credit hours in Marketing.

MKTG 4450. Marketing Management. 3 hrs.

This course is designed to provide a more in-depth study of marketing theory and processes. Emphasis will be placed on the analysis and decision-making processes required of marketing managers. PR: 15 credit hours in Marketing.

MATHEMATICS

(School of Science and Technology)

MATH 0093. S-C&TC General Math. 3 hrs.

This is a course designed for students who need assistance in mastering their basic math skills, including performing basic math operations of whole numbers, fractions, decimals and percentages. Students in this class will master addition, subtraction, multiplication and division with "real world" applications. Students must take this course if they score below 19 on the COMPASS test. Math 0093 students take a comprehensive, departmental final. Students must earn a 78% or better in the course in order to pass.

MATH 0094. S-C&TC Pre-Algebra. 3 hrs.

This course is the first of a two-tier developmental algebra program. Students in Pre-Algebra study order of operations, fractions, elementary equations and elementary word problems. Students with a limited background in algebra should enroll; all students who score between 19 and 25 on the COMPASS test must enroll. Pre-Algebra covers the general math review and chapters 1, 2, 3, and 6.1, 6.2 of the text. (The remainder of the text is covered in the subsequent course, Math 95, Elementary Algebra.) Math 0094 students take a comprehensive, departmental final. Students must earn 78% or better in the course in order to pass.

MATH 0095. S-C&TC Elementary Algebra. 3 hrs.

Math 0095 is required of ALL students who score below a 19 on the Math portion of the ACT or below a 460 on the SAT (Recentered) math portion. Furthermore, successful completion of the course is necessary before such students can enroll in any college math course. Elementary Algebra requires that students have a mastery of the material presented in Pre-Algebra. All students who earn credit in Math 0094 or score between 25 and 35 on the COMPASS test are permitted to enroll. Elementary Algebra covers number systems, fundamental laws of algebra, algebraic operations, and linear equations in one and two variables. Students will be expected to have already mastered the manipulation of fractions and positive and negative integers and should be able to solve elementary equations. Math 0095 covers chapters 4, 5, 6, 7, 8, 9, and 10 of the text. (The first chapters of the text contain material covered in Math 0094, Pre-Algebra.) Students in Math 0095 must earn a 75% or better in order to pass.

MATH 0096. S-C&TC Elementary Plane Geometry. 3 hrs.

Math 0096 is required of all students entering a field with a geometry prerequisite and who have not had geometry in high school. Elementary Plane Geometry covers introduction to logic, inductive and deductive reasoning, direct and indirect proofs, introduction to points, and analytical and graphical plane geometry. The class meets by arrangement.

MATH 1100. S-C&TC Intermediate Algebra. 3 hrs.

This is a course in techniques for performing operations on polynomial, exponential and rational expressions and subsequently solving linear and quadratic equations and inequalities. The course will also cover equations and inequalities using absolute value and function notation. This course cannot be used as mathematics credit toward certification for teaching mathematics or for the Liberal Studies Requirement in mathematics. PR: MATH ACT score of 19 or MATH SAT of 460 or COMPASS score of 36 or MATH 0095.

MATH 1101. S-FSU Applied Technical Mathematics I. 3 hrs.

This course is an introduction to fundamental mechanics and techniques for performing operations with algebraic expressions, and subsequently solving linear equations, systems of linear equations and quadratic equations. The course also introduces trigonometric functions and is designed to develop methods of solving right angles and oblique triangles using trigonometry. This course cannot be used to satisfy the general studies math requirement. PR is one of each from the following pairs: MATH ACT score of 19 or MATH SAT of 460 or COMPASS score of 36 or MATH 0095.

MATH 1102. S-FSU Applied Technical Mathematics II. 3 hrs.

This course is a continuation of Math 1101. Topics include solving radical equations and polynomial equations, complex numbers, exponential and logarithmic functions, inequalities and trigonometry. PR: MATH 1101 with a C or better.

MATH 1107. S-FSU Fundamental Concepts of Mathematics. 3 hrs.

This introductory survey course is specifically developed to fulfill the Liberal Studies requirements in mathematics. It is designed to strengthen computational skills while focusing on real-world problems. Topics may include critical thinking skills, sequences, set theory, probability, statistics, consumer mathematics and the metric system. PR: Math ACT score of 19 or MATH SAT of 460 or COMPASS score of 36 or MATH 0095.

MATH 1110. S-FSU Mathematics for Elementary Teachers I. 3 hrs.

An introductory course in mathematical ideas, this course includes basic concepts of set theory, properties of operations and a logical development of the real number system and its subsystems. Understanding of basic operations is stressed. This course cannot be used as math credit toward certification for teaching mathematics, or to satisfy the Liberal Studies math requirements. PR: MATH ACT score of 19 or MATH SAT of 460 or COMPASS score of 36 or MATH 0095. Must be admitted to Teacher Education to take this course.

MATH 1112. S-FSU College Algebra. 3 hrs.

This course includes a review of real numbers, algebraic expressions, equations and inequalities, graphing, matrix operations and properties, systems of equations, exponents and radicals, mathematical induction, binomial expansion, progressions and related topics. PR: MATH ACT score of 21 or MATH SAT of 500 or COMPASS score of 49 or MATH 1100.

MATH 1113. S-FSU Applied Statistics. 4 hrs.

This course is an introduction to statistics with appropriate applications. Topics covered include descriptive statistics, probability, binomial distribution, normal distribution, sampling, hypothesis testing and regression and correlation. A problem-solving approach and modern software will be used to study the normal, t, chi-square and F distributions. PR: MATH ACT score of 21 or MATH SAT of 500 or COMPASS score of 49 or MATH 1102 or MATH 1112. Spring Semester Only.

MATH 1115. S-FSU Trigonometry and Elementary Functions. 3 hrs.

This course includes a study of circular and trigonometric functions, trigonometric identities, equations and graphs, vectors, logarithms, complex numbers, functions and inverse functions and related topics. PR: MATH ACT score of 23 or MATH SAT of 540 or COMPASS score of 63 or MATH 1112.

MATH 1170. S-FSU Introduction to Mathematical Analysis. 4 hrs.

This course is designed to help those students pursuing a degree in mathematics (who have not had five years of high school mathematics) gain the experience required for courses at the calculus level and beyond. Topics include an introduction to formal logic and set theory, the principle of mathematical induction, properties of real and complex numbers with proofs, general functions and related notions, sequences and series. PR: MATH ACT score of 23, or MATH SAT 540 or COMPASS score of 63 or MATH 1100.

MATH 1185. S-FSU Applied Calculus I. 4 hrs.

A study of calculus with an emphasis on its applications to science, business, technology and social science. Topics covered using the derivative consist of functions and their graphs, max/min problems, related rates, approximation of change and curvilinear motion. Topics covered using the integral consist of area, volume and accumulation functions. Graphing calculators and mathematical software will be introduced and used throughout the course. PR: MATH ACT score of 24, or MATH SAT 560 or COMPASS score of 73 or MATH 1102 with "C".

MATH 1186. S-FSU Applied Calculus II. 4 hrs.

A continuation of the study of calculus as applied to science, business, technology and social science. The integral will be further studied, including applications of area, volume, accumulation functions, curvilinear motion, solutions to some simple differential equations and other applications chosen from a variety of disciplines. Students will examine sequences and series involving convergence and divergence, power series and Taylor polynomials and series. The calculus of vectors and multivariable functions will be introduced and partial derivatives and multiple integrals will be used to study applied problems from a variety of disciplines. Graphing calculators and mathematical software will be used throughout this course. PR: MATH 1185. Spring Semester Only.

MATH 1190. Calculus I. 4 hrs.

This course is the calculus of one variable, beginning with an intuitive study of limits and a geometric interpretation of the derivative. Topics include differentiation of functions and the application of the derivative to graphing functions, approximating functions, solving max/min problems and related rate problems, anti differentiation and its link to the signed area under a curve, the fundamental theorem of calculus and applications of the definite integral. PR: MATH ACT score of 25, or MATH SAT 570, or COMPASS 73, or MATH 1115 or MATH 1170 or MATH 1186.

MATH 1199. Special Topics in Mathematics. 1-12 hrs.

Studies in special selected topics, to be determined by the instructor and approved by the School's chairman. Credits earned will be applicable as free electives in degree and certificate programs.

MATH 2200. Mathematical Logic. 3 hrs.

This course covers sentential and general theory of inference, theory of proof and definition and elementary intuitive set theory. PR: MATH 1115, or MATH 1170 or MATH 1190. Spring semester only.

MATH 2201. Mathematical Logic. 3 hrs.

A continuation of MATH 2200. PR: MATH 2200.

MATH 2206. Introduction to the Theory of Numbers. 3 hrs.

Topics include prime numbers, the unique factorization theorem, congruencies, Diophantine equations, primitive roots and the quadratic reciprocity theorem. PR: MATH 1190. Fall Semester Odd Years Only.

MATH 2210. Mathematics for Elementary Teachers II. 3 hrs.

A continuation of Math 1110. Topics covered in the course include a continuation of the study of the real number system, an introduction to logic, probability and statistics. PR: MATH 1110 with a "C".

MATH 2212. Sets, Relations and Functions. 3 hrs.

Topics to be studied are those related to sets, relations and functions which are common to most upper-level mathematics courses. Fall semester only. PR: MATH 1170 or MATH 1190. Fall Semester Only.

MATH 2214. History of Mathematics. 3 hrs.

A historical development of mathematical ideas beginning with the geometry and computational methods of antiquity and continuing through the calculus. PR: MATH 1115 or MATH 1170 or MATH 1190 or consent.

MATH 2216. Introduction to Discrete Mathematics. 3 hrs.

This course is designed to provide a survey of the reasoning and objects of study found in discrete mathematics. Topics considered include sets, relations, functions, combinatorics, graphs, trees, discrete probability.

ity and recurrence relations. Interspersed throughout the course will be material on the nature of proof and analysis of algorithms. Fall semester only. PR: MATH 1115 or MATH 1170 or MATH 1185 or MATH 1190. Fall Semester Only.

MATH 3315. Calculus II. 4 hrs.

This course is a continuation of MATH 1190. Topics include applications of the definite integral, exponential and logarithmic functions, inverse trigonometric functions, techniques of integration, conic sections, plane curves and polar coordinates, limits involving indeterminate forms, improper integrals, sequences, and infinite series. Spring semester only. PR: MATH 1190.

MATH 3316. Calculus III. 4 hrs.

This course is a continuation of Math 3315. Sequences and series will be followed by a study of calculus of two and three variables. Topics include vectors, dot product, cross product, lines, planes, vector functions and their derivatives and integrals, the study of quadratic surfaces, partial differentiation, gradient and double and triple integrals. PR: MATH 3315 or (MATH 1186 and MATH 1190.) Fall Semester Only.

MATH 3323. Mathematics for Elementary Teachers III. 3 hrs.

This is the last of three courses intended to give prospective elementary teachers adequate training in the concepts and skills of basic mathematics. A study of metric and non-metric geometry will be made, including both an informal and a formal approach to proofs of elementary theorems. PR: MATH 2210 with a "C".

MATH 3335. Probability and Statistics. 3 hrs.

Course topics include sample spaces, events as subsets, probability axioms, finite sample spaces and equiprobable measure as special case, binomial coefficients and counting techniques applied to probability problems, conditional probability, independent events, Bayes' formula, random variable, probability functions, density and distribution functions, special distributions, independent random variables, Poisson and normal approximation to the binomial and some statistical applications. Students will also learn estimation and sampling, point and interval estimates, hypothesis-testing, power of a test and regression. PR: MATH 3316 or concurrent enrollment in MATH 3316. Spring Semester Only.

MATH 3336. Probability and Statistics. 3 hrs.

Random variables and distributions, sequences, of random variables, Markov chains, stochastic process. PR: MATH 3335.

MATH 3342. Numerical Analysis. 3 hrs.

In this course, students will investigate solutions of equations, functional iteration of equations, analysis of special methods such as the methods of false position and of Newton, iteration for systems of equations, reduction to first order systems, Gaussian elimination and some iterative methods for inversion. PR: COMP 1102 and CR:MATH 3316. Spring Semester Even Years Only.

MATH 3361. Abstract Algebra. 3 hrs.

Topics include sets, relations, functions, operations, algebraic systems such as integers, rationals and matrices, isomorphism and examples. Students will examine equivalence classes, groups, subgroups, cyclic groups, basic theorems, Lagrange's theorem, homomorphism, normal subgroups, quotient group, the isomorphism theorems, rings, integers, matrices, polynomials, integral domains, fields and quotient field. The course will also cover ideals, residue class rings, unique factorization domains, Euclidean domains, integers, polynomials over a field, division algorithm, highest common factor and unique factorization in Euclidean domain. PR: MATH 1190 and MATH 2212. Spring Semester Only.

MATH 3362. Linear Algebra. 3 hrs.

This course covers vector spaces abstractly defined, linear dependence and independence, bases and subspaces, dimension of linear space, linear mappings, kernel and image of maps, rank of maps, linear maps as vector spaces, composition of mappings and multiplication of matrices, the relation between linear mappings and systems of linear equations, row reduced echelon matrix, invertible matrices, calculation of inverse, linear inequalities and half spaces. PR/CR: MATH 3315. Fall Semester Only.

MATH 3372. Modern Geometry. 3 hrs.

A brief review of informal Euclidean geometry, including areas and volumes. The course will also include a formal development of Euclidean geometry, utilizing concepts such as incidence, convexity separation, distance functions and angular measurement functions. Other geometric topics such as topology, non-Euclidean geometry, finite geometries, projective geometry and transformational geometry are briefly introduced. Fall semester only, in even years. PR: MATH 1190. Fall Semester Even Years Only.

MATH 3375. Topology. 3 hrs.

This course consists of the study of topological spaces and notions, including continuity, convergence, separation, compactness and connectedness. PR: MATH 2212 and 3316. Spring Semester Odd Years Only.

MATH 3391. Real Analysis. 3 hrs.

Covers real numbers, topology of the reals, infinite series, continuous functions, sequences and series of functions, differentiation, integration and power series. PR: MATH 2212 and MATH 3316. Spring semester, even years only.

MATH 4400. Seminar. 1-3 hrs.

PR: instructor's consent.

MATH 4401. Differential Equations. 3 hrs.

A study of first-order and simple higher-order ordinary differential equations and their applications, linear differential equations with constant coefficients and their application, simultaneous differential equations and their applications, the numerical solution of differential equations and solution of differential equations by use of series. PR: MATH 3316. Spring Semester Odd Years Only.

MATH 4411. Advanced Calculus. 3 hrs.

Sets, relations and functions, composite and inverse functions, countable sets, ordered fields, sequences, operations with sequences, nested intervals, Cauchy sequences, open and closed sets, limits and continuity, differentiation, integration. PR: MATH 2212, 3316.

MATH 4413. Introduction to Complex Variables. 3 hrs.

The algebra and geometry of complex numbers. Definitions and properties of elementary functions, e^z , $\sin z$, $\log z$, Analytic functions, limits, derivatives, Cauchy-Riemann equations. Integration. Integrals, functions defined by integrals. Maximum modulus, Liouville's theorem, fundamental theorem of algebra. Series. Taylor and Laurent series. Uniform convergence, term-by-term differentiation, uniform convergence in general. Domain of convergence and classification of singularities. The residue theorem. PR: MATH 2212, 3316.

MATH 4431. Methods and Materials in Teaching Mathematics. 3 hrs.

This course is designed for senior education majors with a math teaching specialization in either grades 5-Adult or 5-9. Mathematics curricula and methods at the middle and high school levels are studied. Numerous laboratory experiences such as microteaching and math tutoring are required. 5-9 and 5-Adult must complete this course prior to enrolling in the IPP. This course is offered in the fall semester. PR: 5-9 majors: MATH 1185 and MATH GPA of 2.75 and (MATH 1185 or MATH 3316). 5-Adult majors: MATH 3316 and a MATH GPA of 2.75. There is an overall MATH GPA requirement for this course. See your advisor for details. Fall Semester Only.

MECHANICAL ENGINEERING TECHNOLOGY *(College of Science and Technology)*

MECH 1100. Statics. 3 hrs.

The study of force systems that act on rigid bodies in static equilibrium. Topics of study include the analysis of coplanar and noncoplanar force systems using analytical and graphical methods. PR: MATH 1115, or CR: MATH 1102.

MECH 2200. Strength of Materials. 4 hrs.

The analysis of stress and deformation of deformable bodies under the action of forces. Students will examine the design and selection of tension and compression members, shafts and beams, stress and strain, Hook's Law, mechanical properties of engineering materials, torsion, bending and buckling theory. PR: MATH 1102 and MECH 1100 with a C or better in both.

MECH 2210. Thermodynamics I. 3 hrs.

An introduction to the thermodynamic laws of conservation of mass and energy. Students will explore applications in the analysis of energy sources, transformations and utilizations. PR: MECH 1100 with a C or better. CR: PHYS 1101 and either TECH 2290 or MATH 1185 or MATH 1190.

MECH 2220. Fluid Mechanics. 3 hrs.

A study of the mechanics of fluid systems. Topics include fluid statics and dynamics, dimensional analysis and similitude, steady flow of incompressible fluids in pipes, ducts, and open channels, steady flow of compressible fluids over surfaces and about immersed bodies and turbomachinery. PR is one of the following: PR: MECH 2200, TECH 2290 or MATH 1185 or MATH 1190.

MECH 2240. Machine Design I. 3 hrs.

Application of the principles of mechanics to the design and selection of machine components. Topics of study include beams, columns, shafts, gears, bearings, belts, brakes, and springs. Design projects will be assigned and computer solutions will be utilized. PR: MECH 2200, COMP 1101 and either TECH 2290 or MATH 1185 or MATH 1190. Spring Semester Only.

MECH 3300. Thermodynamics II. 3 hrs.

A continuation of the study of thermodynamics, with special emphasis on equations of state, calorimetry, processes, heat engines and the Second Law of Thermodynamics. Topics include PVT relationships of pure substances, caloric equations of state, properties of multi-phase substances, processes of compressible and incompressible gases, liquids, solids, and multi-phase substances, the Carnot heat engine, entropy, refrigeration and heat pump cycle, the Third Law of Thermodynamics and the analysis of Carnot cycles. PR: MECH 2210. CR: TECH 3300 or MATH 1186 or MATH 3315.

MECH 3320. Dynamics. 3 hrs.

The study of Newtonian dynamics of particles and rigid bodies in plane motion. Topics include Kinematics, Newton's Laws, work and energy principles and impulse momentum. Baccalaureate majors only. PR: MECH 1100 and TECH 3300 or MATH 1186 or MATH 3315.

MECH 3330. Heat Transfer I. 3 hrs.

A study of heat energy interactions in solids, liquids, and gases. Topics include fundamental laws of conduction, convection and radiation heat transfer. Baccalaureate majors only. PR: PHYS 1102, TECH 3300 or MATH 1186 or MATH 3315.

MECH 3340. Heating, Air Conditioning and Ventilation. 3 hrs.

A study of the principles of fluid mechanics, thermodynamics and heat transfer as applied to HVAC systems. Topics include: heating and cooling load calculations, heating, air conditioning and refrigeration systems; automatic controls; heat pumps for heating and cooling; solar heating and cooling systems. PR: MECH 3300, MECH 3330. Spring semester only.

MECH 3350. Numerical Methods. 3 hrs.

A study of numerical methods, with application to the formulation and solution of engineering problems. Topics include mathematical modeling, engineering problem solving, roots and equations, curve fitting, numerical integration and ordinary differential equations. Digital computers and software are used extensively. PR: COMP 1101, PHYS 1101, and either TECH 2290 or MATH 1185 or MATH 1190.

MECH 4400. Mechanical Measurements. 3 hrs.

The study of the measurement of motion, force, torque and power with emphasis on strain measurement and strain gage techniques with instrumentation. Topics also include error analysis, and curve fitting. PR: MECH 3320.

MECH 4410. Thermodynamics III. 3 hrs.

A continuation of the study of thermodynamics, with special emphasis upon application to heat, power and refrigeration systems. Topics include energy availability and irreversibility in open and closed thermodynamic systems, mixtures of gases and vapors, reactive systems, internal and external combustion power cycles, reversed cycles and flow through nozzles and diffusers. PR: MECH 3300, 3330.

MECH 4430. Heat Transfer II. 3 hrs.

A continuing study of conduction, convection, and radiation heat transfer, with emphasis on application to residential, commercial and industrial and heat exchanger design. Topics include steady-state transient heat conductions, free and forced heat convection, condensing and boiling heat transfer, radiation, transfer by combined mechanisms, numerical and analog methods. PR: MECH 3330.

MECH 4440. Engineering Systems Design Laboratory. 3 hrs.

A study of analog, digital and mixed engineering systems, similitude of mechanical and electrical engineering systems, dimensional analysis and theory of models. PR: MECH 3300, MECH 3320. Spring semester only.

MILITARY SCIENCE*(College of Liberal Arts)*

Basic Phase Courses - No uniform or haircut requirement

MLSC 1105. Military Science I, Part A. 2 hrs.

This basic introductory course will cover the organization and development of the United States Army and Army ROTC, basic leadership concepts and general military subjects such as first aid, map reading and United States Army equipment Rappelling is offered as an optional personal enrichment subject. PR: Freshman or sophomore standing, or instructor's consent.

MLSC 1106. Military Science I, Part B. 2 hrs.

A study of the United States' role in world events, policies and traditions in peace and war. The course offers continued instruction in leadership fundamentals and general military subjects, including further study of first aid and map reading. Optional personal enrichment subjects will include rappelling and visits to army installations. PR: Freshman or sophomore standing, or instructor's consent.

MLSC 1107. Military Science II, Part A. 2 hrs.

This course involves a more in-depth study of leadership and management, with emphasis on the fundamental concepts and skills required of today's citizen-soldier. Instruction will be provided in basic military skills such as drill and ceremonies and land navigation. PR: Freshman or sophomore standing, or instructor's consent.

MLSC 1108. Military Science II, Part B. 2 hrs.

Intermediate-level instruction is provided in fundamentals of leadership and management, with emphasis on the military application of these fundamentals. An introduction will be given to small-unit tactics and organizations. Further instruction is provided in basic military skills. PR: Freshman or sophomore standing, or instructor's consent.

MLSC 1199. Special Topics in Military Science. 1-6 hrs.

Studies in special selected topics, to be determined by instructor and approved by the School's chairman. Advanced Phase Courses - Commitment to Military Science Obligation

MLSC 2211. Military Science III, Part A. 3 hrs.

This course examines the requirements for military training and the psychological and technical aspects of effective instruction, as well as the military career system and the occupational specialties available. Practical leadership training activities, such as drill and ceremony and physical training (which also provides required physical conditioning), are included. Students will attend two lectures and three one-hour leadership/military physical training laboratories each week. PR is one of the following:

- (a) MLSC I and II course completion
- (b) prior military service
- (c) completion of basic training
- (d) Leaders Training Camp attendance and instructor's consent
- (e) instructor's consent under the alternate Entry Option Program

MLSC 2212. Military Science III, Part B. 3 hrs.

Race relations/drug abuse and alcohol seminars are conducted to familiarize students with the leadership techniques involved in coping with these social problems. Additionally, students receive practical training in squad and platoon-level tactics through activities such as drill and ceremony and physical training (which also provides required physical conditioning). Students are prepared for Advanced Camp, and attend two lectures and three one-hour leadership/military physical training laboratories each week. PR: MLSC 2211 or instructor's consent.

MLSC 2213. Military Science IV, Part A. 3 hrs.

This course stresses the responsibilities of an officer and fosters leadership experience through performance as a cadet leader. Military staff procedures, military law, and tactical military operations, which prepare the student for future service, are studied. The course stresses practical leadership training through participation in and evaluation of activities such as drill and ceremony and physical training (which also provides required physical conditioning). Two lectures and three one-hour leadership/military physical training laboratories each week. PR: MLSC 2211, 2212.

MLSC 2214. Military Science IV, Part B. 3 hrs.

Advanced leadership techniques, behavior patterns, and personnel management problems are discussed in these seminars. Students will examine the military's role in United States foreign policy, military history, and world affairs. Practical leadership training involves taking part in and evaluating activities such as drill and ceremony and physical training (which also provides required physical conditioning). Two lectures and three one-hour leadership/military physical training laboratories each week. PR: MLSC 2211, 2212, 2213.

MUSIC***(School of Fine Arts)*****MUSI 1100. Introduction to Music Education. 1 hr.**

This course is a seminar-style overview of the field of music education. Topics of discussion include philosophies, teaching methods, administration, technology and historical background. Students are required to do some observation in the schools. Required for all music education majors. Elective for music minors and non-music majors. Fall Semester.

MUSI 1101. Concerts, Recitals, and Seminars. credit

Credit, no credit to be issued each semester. Students will attend scheduled concerts and seminars. Music majors and minors are required to attend 50 percent of scheduled programs each semester, except when student teaching.

MUSI 1102. Introduction to Keyboard I. 1 hr.

This course in beginning piano is designed as an elective for the student not majoring or minoring in music. It is conducted in a piano lab setting which allows both individual and group participation. Fall semester only.

MUSI 1103. Introduction to Keyboard II. 1 hr.

This course in early intermediate piano is designed as an elective for the student not majoring or minoring in music. It is conducted in a piano lab setting which allows both individual and group participation. Spring semester only. PR: MUSI 1102 or instructor's consent.

MUSI 1104. Functional Piano I. 1 hr.

This course is required of all students majoring or minoring in music. Piano majors and minors with a piano emphasis may substitute Keyboard Accompanying or other applied electives. Music Majors only. Fall semester only.

MUSI 1105. S-FSU Functional Piano II. 1 hr.

This course is required of all students majoring or minoring in music. Piano majors and minors with a piano emphasis may substitute Keyboard Accompanying or other applied electives. Spring semester only. PR: MUSI 1104 or instructor's consent by proficiency exam. PR: MUSI 1104. Music Majors only.

MUSI 1106. Guitar Class I-II. 1 hr.

This course is designed for all students in beginning guitar. This will be conducted through group instruction, with each student being offered the opportunity for participation. PR for Guitar Class II: Guitar Class I.

MUSI 1107. Piano. 1-2 hrs.**MUSI 3307. Upper-level Piano. 1-2 hrs.**

One credit hour equals one half-hour private piano lesson per week. Two credit hours equal one one-hour private lesson per week. Students must consult with instructor for lesson placement during the first week of classes. PR: Permission of Instructor, Music majors only.

MUSI 1108. Beginning Theory (on demand). 2 hrs.

This course is designed for beginning music students who need additional background in theory.

MUSI 1109. Theory, Comprehensive. 4 hrs.

This course is organized in five interacting streams of study to develop the skills necessary for the perception and understanding of music. These concentrations comprise formal and harmonic analysis, composition, ear training, keyboard harmony and singing. This course surveys the compositional techniques of the eighteenth and nineteenth centuries. A weekly lab of five minutes?? is required. Fall semester only.

MUSI 1110. Theory, Comprehensive. 4 hrs.

A continuation of MUSI 1109, with emphasis in compositional study involving modulation and musical perception with and without score. Five minute laboratory. Spring semester only. PR: MUSI 1109.

MUSI 1111. Introduction to Music Technology. 3 hrs.

This course is designed for current music majors to give a basic laboratory-style overview of music technology and computer-aided instruction that can be used in the public school classroom. It is conducted in a lecture/laboratory workshop setting so that students can gain the maximum exposure to music technology in a practical setting. Topics of discussion include: The need for music technology in the classroom, Software programs for elementary general music, Programs for secondary choral music classrooms, Programs for secondary instrumental music classrooms, Miscellaneous Music Education software programs, Music Administration software, and recording technology. Required for all music education majors. Elective for music minors with permission of instructor. Spring Semester.

MUSI 1120. S-FSU Music Appreciation. 3 hrs.

An introduction to Western music, the music of other cultures and styles of popular music. Students are encouraged to develop their own perspectives, talents, listening/critical skills, and appreciation for the musical interests of others. Sound and video recordings of music will play an integral part in the class.

MUSI 1139. S-FSU Voice Class (first semester). 1 hr.

A study of the fundamentals of voice production: breathing, resonance, articulation, and style. Fall semester only.

MUSI 1141. Voice I-IV; 3341. Voice I-IV (last 4 semesters). 1-2 hrs.

Open to students who have sufficient musical background and vocal quality to merit individual instruction. The principles of proper vocal production are stressed, with later emphasis upon solo repertoire in English, Italian, German, and French. Section 1 – Music Majors, Section 2 – Open, Section 3 – Theatre Majors.

MUSI 1167. S-FSU Collegiate Singers. 1 hr.

A large mixed chorus open to all students. The Collegiates perform literature from the Renaissance to modern and popular styles. Activities include one or two performances per semester and a spring tour.

MUSI 1168. S-FSU Marching Band. 2 hrs.

Open to students who play a band instrument or have the necessary skills to participate in one of the auxiliary units such as flags, rifles, or twirlers. The Marching Band performs at all home football games during the fall semester and at various marching band activities such as parades and festivals. Fall semester only.

MUSI 1169. S-FSU Concert Band. 1 hr.

Open to all students who can play a band instrument. Students study and perform a wide variety of band literature. Spring semester only.

MUSI 1172. S-FSU College-Community Symphony Orchestra. 1 hr.

Open to all students and members of the community who can play an appropriate orchestral instrument, space permitting. The course is designed to present the study and performance of orchestral literature appropriate to the ability of its members. Audition/admission at the discretion of the director.

MUSI 1175. Guitar I-IV; 3375. Guitar I-IV (last 4 semesters). 1-2 hrs.

MUSI 1177. Percussion I-IV; 3377. Percussion I-IV (last 4 semesters). 1-2 hrs.

MUSI 1179. Saxophone I-IV; 3379. Saxophone I-IV (last 4 semesters). 1-2 hrs.

MUSI 1181. Flute I-IV; 3381. Flute I-IV (last 4 semesters). 1-2 hrs.

MUSI 1183. Clarinet I-IV; 3383. Clarinet I-IV (last 4 semesters). 1-2 hrs.

MUSI 1185. Oboe I-IV; 3385. Oboe I-IV (last 4 semesters). 1-2 hrs.

MUSI 1187. Bassoon I-IV; 3387. Bassoon I-IV (last 4 semesters). 1-2 hrs.

MUSI 1189. Trumpet or Cornet I-IV; 3389. Trumpet or Cornet I-IV (last 4 semesters). 1-2 hrs.

MUSI 1191. Baritone Horn I-IV; 3391. Baritone Horn I-IV (last 4 semesters). 1-2 hrs.

MUSI 1193. French Horn I-IV; 3393. French Horn I-IV (last 4 semesters). 1-2 hrs.

MUSI 1195. Trombone I-IV; 3395. Trombone I-IV (last 4 semesters). 1-2 hrs.

MUSI 1197. Tuba I-IV; 3397. Tuba I-IV (last 4 semesters). 1-2 hrs.

MUSI 1198. Organ I-IV; 3398. Organ I-IV (last 4 semesters). 1-2 hrs.

The program of study will be fitted to the individual needs of the subject. PR: Piano proficiency and instructor's consent.

MUSI 1199. Special Topics in Music. 1-12 hrs.

Studies in special selected topics, to be determined by the instructor and approved by the School's chairman. Credits earned will be applicable as free electives in degree and certificate programs

MUSI 2200. Violin I-IV; 3300. Violin I-IV (last 4 semesters). 1-2 hrs.

MUSI 2201. Viola I-IV; 3301. Viola I-IV (last 4 semesters). 1-2 hrs.

MUSI 2202. Cello I-IV; 3302. Cello I-IV (last 4 semesters). 1-2 hrs.

MUSI 2203. Bass Violin I-IV; 4403 Bass Violin I-IV (last 4 semesters). 1-2 hrs.

MUSI 2204. Functional Piano III. 1 hr.

This course is required of all students majoring or minoring in music. Piano majors and minors with a piano emphasis may substitute Keyboard Accompanying or other applied electives. Fall semester only. PR: MUSI 1104 and 1105, or instructor's consent by proficiency exam. PR: MUSI 1105.

MUSI 2205. Functional Piano IV. 1 hr.

This course is required of all students majoring or minoring in music. Successful completion is required to pass the piano proficiency requirement for music education and the music minor. Piano majors and minors with a piano emphasis may substitute Keyboard Accompanying or other applied electives. Spring semester only. PR: MUSI 1104, 1105 and 2203, or instructor's consent by proficiency exam. PR: MUSI 1103.

MUSI 2206. Music Appreciation for Majors. 3 hrs.

A survey of the history and literature of music, designed for the music major and minor. The study of the various styles and forms of western art music, world music, and popular music will include regular use of sound and video recordings. The purpose of the course is the development of a greater depth of understanding and appreciation of music. Spring semester only. Music Majors Only.

MUSI 2209. Theory, Comprehensive. 4 hrs.

Continuation of MUSI 1110, covering theoretical principles of the baroque and classical periods. Emphasis on contrapuntal forms and compositions of large formal structures. Five minutes' laboratory each week. PR: MUSI 1110. Fall semester only.

MUSI 2210. Theory, Comprehensive. 4 hrs.

Continuation of MUSI 2209, developing the skills necessary for the perception and understanding of music. Features theoretical principles of the romantic period and the twentieth century. Five minutes' laboratory each week. PR: MUSI 2209. Spring semester only.

MUSI 2211. String Class. 1 hr.

This course is open to all students with sufficient background in music. A working knowledge of string instruments is attained through class instruction.

MUSI 2213. Brass Class. 1 hr.

This course is open to all students with sufficient background in music. A working knowledge of brass instruments is attained through class instruction. Fall semester only.

MUSI 2215. Woodwind Class. 1 hr.

This course is open to all students with sufficient background in music. A working knowledge of woodwind instruments is attained through class instruction. Spring semester only.

MUSI 2217. Percussion Class. 1 hr.

Open to all students with sufficient background in music. A working knowledge of percussion instruments is attained through class instruction. Spring semester only.

MUSI 2219. Guitar Class for Music Majors. 1 hr.

This course is an introduction to skills required for playing and teaching the guitar and other fretted instruments. Topics include fundamentals of technique, chord accompaniment, notation systems, and evaluation of teaching materials. This course is required for all music education majors.

MUSI 2231. Elementary Music I. 3 hrs.

This course provides a background in music theory, terminology of music, rhythm, music reading, chord construction and use of the keyboard and classroom instruments needed by the classroom teacher. Required for all elementary education majors. Fall semester only.

MUSI 2232. Elementary Music II. 3 hrs.

Application of course work from MUSI 2231, including teaching methods and music lesson planning using state content standards. Integration of music activities with elementary classroom curriculum is emphasized. PR: MUSI 2231. Spring semester only.

MUSI 2245. Fundamentals of Conducting. 2 hrs.

This course is designed to acquaint the student with standard conducting techniques, including a working knowledge of all standard beat patterns, the active gestures including legato, staccato and tenuto gestures as well as gestures of syncopation, the passive gestures, the analysis of various types of fermata and a thorough understanding of transposition. PR: MUSI 1109. Spring semester only.

MUSI 2247. S-FSU Stage Band. 1 hr.

A traditional jazz ensemble open to saxophonists, trombonists, trumpeters, percussionists, guitarists, bassists and pianists regardless of academic major. The ensemble explores a variety of jazz, jazz-rock and other styles. PR: Audition or admission at the discretion of the director.

MUSI 2249. Advanced Woodwind Ensemble. 1 hr.

Open to advanced woodwind students. Includes various Woodwind ensembles. PR: Audition or admission at the discretion of the director.

MUSI 2251. Instrument Repair and Maintenance. 2 hrs.

A survey of the simple instrument repair problems that are commonly encountered in a school music program. Practical repair experiences are included where appropriate. Offered on demand.

MUSI 2275. Advanced Brass Ensemble. 1 hr.

Open to advanced instrumental students, this course is designed to give students an opportunity to participate in small ensembles. Groups meet on a regular weekly rehearsal schedule under faculty direction. PR: Audition or admission at the discretion of the director.

MUSI 2277. S-FSU Chamber Choir. 1 hr.

Open to advanced vocal students. Designed to give students experience in small ensemble participation. Groups meet on a regular rehearsal schedule under faculty direction. PR: Audition at beginning of each semester.

MUSI 2279. Advanced Percussion Ensemble. 1 hr.

Open to advanced percussion students and students with percussion experience. Designed to give students experience in small ensemble participation. Groups meet on a regular rehearsal schedule under faculty direction. PR: Audition or admission at the discretion of the director.

MUSI 3309. Orchestration. 2 hrs.

A survey of the technical abilities and limitations of the instruments of the orchestra and band with an emphasis on the practical fundamentals of score preparation.

MUSI 3310. Counterpoint (on demand). 2 hrs.

A study of the style and technique involved in the writing of sixteenth century polyphonic music. PR: MUSI 2210.

MUSI 3311. Form and Analysis (on demand). 2 hrs.

A study of form and the analysis of music, as found in the literature from the seventeenth to the twentieth centuries. PR: MUSI 2209.

MUSI 3312. Composition (on demand). 2 hrs.

This course is designed to teach, through the study of various types of music, a basic and accepted approach to creative composition. PR: MUSI 2209.

MUSI 3313. Music in Western Civilization to 1750. 3 hrs.

An in-depth study of music history and literature from antiquity through the Baroque period. Music Majors Only.

MUSI 3314. Music in Western Civilization since 1750. 3 hrs.

An in-depth study of music history and literature from the Classical period to the present. PR: instructor's consent. Music Majors Only.

MUSI 3320. Techniques of Keyboard Accompanying. 1 hr.

A course designed to acquaint music majors with the techniques involved in playing keyboard accompaniments for performing groups, soloists and chamber music. Students will have regularly scheduled laboratory experiences in playing accompaniments for vocal and instrumental soloists and ensembles.† Sight-reading, transposition, and various technical exercises will also be included. Recommended for piano majors. PR: instructor's consent. Offered on demand.

MUSI 3328. Elementary Music Methods and Materials for Majors, K-6. 2 hrs.

An in-depth introduction to various teaching methods and materials that can be used by the elementary music teacher.† Methods introduced will include Dalcroze, Gordon, Kodaly and Orff.† Materials will be derived from numerous sources and will include music from many countries and cultures.† Students will practice and demonstrate basic skills in voice, recorder, autoharp, and Orff instruments, and will practice writing and teaching lesson plans at the K-6 grade level. PR: MUSI 1110, 1139 or 1141.† Fall semester only.

MUSI 3347. Advanced Conducting. 2 hrs.

This course is a continuation of the techniques studied in MUSI 2245, with an emphasis on refinement of the manual technique as well as basic analytical and marking techniques required for score preparation. Fall semester only. PR: MUSI 2245.

MUSI 4425. Marching Band Techniques. 2 hrs.

This course is designed to explore the various components needed to direct a successful marching band program. Topics will include philosophies, administration, basic marching techniques, show design, accurate charting, music selection, auxiliary units, uniforms and rehearsal techniques. Fall semester only.

MUSI 4429. Instrumental Methods, Materials and Administration. 2 hrs.

Students in this course will learn advanced and practical applications of instrumental conducting techniques, methods, administration and materials used in teaching instrumental music in the secondary schools. Music Majors Only.

MUSI 4430. Choral Methods, Materials and Administration. 2 hrs.

Advanced and practical application of choral conducting techniques, methods, administration, materials used in teaching choral music in the secondary schools. Music Majors Only.

MUSI 4431. Methods and Materials in Teaching Music, 7-12. 3 hrs.

Techniques, methods and materials used in teaching and administering general music classes and high school music classes. Music Majors Only. Fall semester.

MUSI 4432. Choral Workshop (on demand). 2 hrs.

This course is designed to upgrade choral instructors' teaching techniques and administration. Includes experiences in conducting choral groups, interpretation, participating in choral rehearsals and performances and the study of problems related to choral teaching and administration.

MUSI 4433. Instrumental Workshop (on demand). 2 hrs.

Offered to help students improve their instrumental teaching techniques and administration. Includes experiences in conducting instrumental groups, interpretation, participating in instrumental rehearsals and performances and the study of problems related to instrumental teaching and administration.

MUSI 4434. Composition Workshop (on demand). 2 hrs.

Study of the composition of choral and instrumental works. Students will hear works performed by live groups.

MUSI 4435. Music Production Workshop. 1-3 hrs.

A laboratory experience in music theater. The course culminates in a public presentation of opera or musical comedy. PR: Instructor's consent.

MUSI 4437. Area Studies in Music Literature I. 1-3 hrs.

Concentrated study of selected areas of music, to be determined by the instructor. PR: Instructor's consent.

MUSI 4438. Area Studies in Music Literature II. 1-3 hrs.

Concentrated study of selected areas of music, to be determined by the instructor. PR: Instructor's consent.

MUSI 4439. Area Studies in Music Literature III. 1-3 hrs.

Concentrated study of selected areas of music, to be determined by the instructor. PR: Instructor's consent.

MUSI 4440. Senior Recital. 1 hr.

See Music Department Handbook. All music majors are required to present a senior recital or its equivalent before the faculty jury or public.

MUSI 4442. & 4443. Theory Workshop (on demand). 2-3 hrs.

Identification of suitable materials for the teaching of theory in the high schools, as well as methodology and pedagogical procedures for theory instruction. May be repeated for additional credit, with a maximum of six hours.

MUSI 4444 Elementary Workshop (on demand). 1-2 hrs.

Identification of suitable materials for the teaching of elementary music, as well as new and innovative methodology.† May be repeated for additional credit, with a maximum of four hours. PR: MUSI 3328 or instructor's consent. Offered on demand.

NURSING

(School of Nursing and Allied Health Administration)

NURS 1101. Fundamentals of Nursing. 6 hrs.

This course is designed to introduce the beginning student to the nursing process and its application in clinical practice. The lecture portion presents those concepts essential to the practice of nursing. The laboratory experiences involve the implementation of skills related to basic needs and life processes. (4 hours class, 6 hours lab.) PR: Admission to the nursing program. CR: BIOL 1170, FOSM 2200. Fall semester only.

NURS 1102. Transition for Licensed Practical Nurses. 1 hr.

This course introduces the concepts and processes necessary to nursing practice. A major focus is on the nurse's role and the transition from licensed nurse to registered nurse. PR: Enrollment in the Associate Degree Nursing Program at Fairmont State College, and status as a Licensed Practical Nurse or a graduate of a practical nursing program. Fall semester only.

NURS 1104. Adult Health I. 4 hrs.

This course is designed to help students develop knowledge of common adult health problems and to use the nursing process to promote good health in patients. Emphasis is placed on the following life processes: protective function (perioperative and oncology) and metabolism (diabetes and endocrine). Other life processes are considered

as they apply throughout the course. Selected laboratory experiences in caring for hospitalized clients will enable the student to acquire knowledge and skills related to the theory studied and the student's individual interests. The student is expected to use knowledge and skills acquired in prerequisite courses. This course consists of four hours per week of class and 12 hours per week of lab. PR: NURS 1101, FSM 2220, BIOL 1170. Concurrently: Allied Health 1106, BIOL 2205. A current Basic Life Support Card is required.

Spring semester only, first eight weeks.

NURS 1105. Adult Health II. 4 hrs.

A continuation of NURS 1104, this course is designed to help students develop knowledge of common adult health problems and to use the nursing process to promote good health in patients. Emphasis is placed on the following life processes: sensorimotor/musculoskeletal, elimination/gastrointestinal and development/reproductive. Other life processes are considered as they apply throughout the course. Selected laboratory experiences in caring for hospitalized clients will enable the student to acquire knowledge and skills related to the theory studied and the student's individual interests. The student is expected to use knowledge and skills acquired in prerequisite courses. This course consists of four hours per week of class and 12 hours per week of lab. PR: NURS 1104, Adult Health I. Spring semester only, second eight weeks.

NURS 1106. Mastery of Adult Health I. 2-4 hrs. (Variable)

This theory-based course is designed to readdress concepts and information presented in NURS 1104. This course will also focus on test-taking, study skills, and active learning techniques. This is a two-week course offered in the summer. (Total 32 lecture hours)

NURS 1107. Mastery of Adult Health II. 2-4 hrs. (Variable)

This theory-based course is designed to readdress concepts and information presented in NURS 1105. This course will also focus on test-taking, study skills, and active learning techniques. This is a two-week course offered in the summer. (Total 32 lecture hours)

NURS 1199. Special Topics in Nursing. 1-12 hrs.

This course is concerned with special studies in selected topics, to be determined by the instructor and approved by the School's chairman. Credits earned will be applicable as free electives in degree and certificate programs. Offered as needed.

NURS 2201. Psychiatric Nursing. 6 hrs.

This course is a study of the concepts of mental health and common problems of mental illness as they affect the individual and the family. Selected laboratory experiences enable the student to meet the needs of hospitalized clients with functional disorders. This course stresses self-awareness, improving therapeutic communication skills and establishing interpersonal relationships. Topics also include common maladaptive behavioral patterns, current therapies and community mental health resources. The life processes of protective function, psychosocial environment and developmental concepts are addressed as they apply throughout the course. This is a four-week course offered in the summer. (Total 55 lecture hours, 70 hours lab.) PR: ALLH 1106, BIOL 2205, NURS 1103, PSYC 1101. Summer only.

NURS 2204. Trends in Nursing. 2 hrs.

This is a course designed to promote an understanding of the major trends and problems affecting nursing: historical, political, social, economic, legal, educational, professional and personal. Current issues and career opportunities also will be discussed. Emphasis will be placed on legal rights and responsibilities and ethical decision-making. PR: NURS 2201. Fall semester only.

NURS 2205. Maternity Nursing. 4 hrs.

An introduction to the physiological, psychological and social changes related to the nursing process as it affects both the childbearing mother and the family unit. Emphasis is placed on normal life processes, with comparison to the abnormal. Antepartal and postpartal experiences include observation in physicians' offices and clinics. Experiences in labor and delivery, immediate postpartal and neonatal care are provided in a hospital setting. Eight weeks. (4 hours class, 12 hours lab.) PR: NURS 2202, 2204. Spring semester only.

NURS 2206. Nursing of Children. 4 hrs.

This course is designed to help the student gain a better awareness of the sequence of normal growth and development during the life processes of childhood. Students will examine health problems, disorders and illnesses common to children in each stage of development, from infancy through adolescence. A family-centered approach to child care, utilizing the nursing process, is emphasized. Special consideration is given to preventive and teaching aspects of concern to the patient and family. Selected clinical experiences will include care of children in health facilities, as well as in other community agencies. Eight weeks. (4 hours class, 12 hours lab.) PR: NURS 2202, 2204. Spring semester only.

NURS 2207. NCLEX Review. 1 hr.

This course is designed to improve decision-making and critical thinking skills. It includes classroom practice to develop test-taking skills and computer review of specified software programs designed to prepare graduates for the national nursing licensure examination. This course is required for students who do not achieve a satisfactory performance level on medical/surgical achievement exams. This course may be taken for elective credit by students in the last semester of the associate-degree nursing program, or students planning to retake the NCLEX-RN. Spring semester only, for eight weeks.

NURS 2222. Adult Health III. 4 hrs.

A continuation of NURS 1105, this course is designed to help students develop knowledge of common adult health problems and to use the nursing process to promote good health in patients. Emphasis is placed on oxygenation (vascular/hematologic, respiratory and cardiac). Other life processes are considered as they apply throughout the course. Selected laboratory experiences in caring for hospitalized clients will enable the student to acquire knowledge and skills related to the theory studied and the student's individual interests. Students will develop their roles as managers of care through involvement in team nursing. They will explore the concepts of leadership, delegation and collaboration while assuming the roles of team leader, medication nurse and patient educator. (4 hours class, 12 hours lab.) PR: NURS 1104, 1105, 2201. A current Basic Life Support card is required. Fall semester only, first eight weeks.

NURS 2223. Adult Health IV. 4 hrs.

A continuation of NURS 2222, this course is designed to help students develop knowledge of common adult health problems and to use the nursing process to promote good health in patients. Emphasis is placed on the following life processes: sensori-motor (neurological and eye/ear), elimination (renal), and protective function (burns). Other life processes are considered as they apply throughout the course. Selected laboratory experiences in caring for hospitalized clients will enable the student to acquire knowledge and skills related to the theory studied and the student's individual interests. Students will develop their roles as managers of care through involvement in team nursing. They will explore the concepts of leadership, delegation and collaboration while assuming the roles of team leader, medication nurse and patient educator. (4 hours class, 12 hours lab.) PR: NURS 2222. A current Basic Life Support card is required. Fall semester only, second eight weeks.

NURS 2224. Mastery of Adult Health . 2 hrs.

This theory-based course is designed to readdress concepts and information presented in NURS 2223, Adult Health III. This course will also focus on test-taking, study skills, and active learning techniques. This is a two-week course offered between fall and Spring semesters. (Total 32 lecture hours)

NURS 2225. Mastery of Adult Health . 2 hrs.

This theory-based course is designed to readdress concepts and information presented in NURS 2223, Adult Health IV. This course will also focus on test-taking, study skills, and active learning techniques. This is a two-week course offered between fall and spring semesters. (Total 32 lecture hours)

NURS 3320. Health Assessment. 4 hrs.

This course is designed to help students develop skills as providers in health/physical assessment. It includes assessment techniques, how

to assess clients of various racial and cultural groups and the assessment of clients across the life span. The nursing process and critical thinking skills are used to synthesize information to promote health potential. Faculty-supervised campus laboratory experience is employed to develop students' skills. (2 hours lecture, 4 hours lab.) PR: Admission to the Nursing program or instructor's consent. Fall semester only.

NURS 3330. Health Deviations. 3 hrs.

This course covers pathophysiologic mechanisms and their effect upon health potential. With the help of case studies, students will apply theoretical knowledge to patient situations through utilization of the nursing process. (3 hour lecture.) PR: Admission to the Nursing program or instructor's consent. Spring semester only.

NURS 3350. Professional Nursing Concepts. 3 hrs.

This course is designed to assist the registered nurse in exploring concepts and theories relevant to professional nursing. Areas explored include theories of nursing, beliefs, assumptions and values of the nurse-client relationship, socialization to the professional nursing role, health and health care delivery systems and the nursing process. (3 hour lecture.) PR: Admission to the Nursing program. Fall semester only.

NURS 3360. Complex Nursing Situations. 4 hrs.

This course focuses on developing critical thinking skills and applying them to complex nursing situations. It will include ethics and their application to nursing practice. (Total 30 hours lecture, 60 hours lab.) PR: NURS 3320, 3330, 3350, and CHEM 1101 or SCIE 1110. NURS 3330 may be taken concurrently with NURS 3360 and concurrently with CHEM 1101 or SCIE 1110. Spring semester only.

NURS 3399. Special Topics in Nursing 1-12 hours

This course is concerned with special studies in selected topics, to be determined by the instructor and approved by the School's chairman. Credits earned will be applicable as free electives.

NURS 4400. Research in Nursing Practice. 3 hrs.

This course analyzes the scientific process, with emphasis on its application to nursing. Students will develop an understanding of the logical process of research, reasoning and the scientific inquiry necessary to carry out studies of nursing interest. (3 hour lecture.) PR: PSYC 2240, NURS 3360. Fall semester only. NURS 4400 and PSYC 2240 may be taken concurrently.

NURS 4410. Community Health Nursing. 6 hrs.

This course focuses on the theories and principles underlying current community health nursing practices. Emphasis is placed on the client and family, including appropriate nursing intervention for individuals, families and groups in outpatient settings and in the home. Topics include application of the nursing process to community-based intervention in health maintenance, health promotion and restoration, and utilization of community resources. (3 hour lecture, 6 hours lab.) PR/CR: NURS 3360, NURS 4400. Fall semester only.

NURS 4430. Leadership and Management in Nursing Practice. 3 hrs.

This course explores theories of leadership and management as they relate to nursing and health potential. Emphasis is given to strategies appropriate for the individual, family, groups and the community in the practice setting. The course also includes an examination of motivational theories, role development, group processes, change theory and communication skills, as well as authority and accountability. (3 hour lecture.) PR: MGMT 2209 or 3308, and NURS 4400. Spring semester only.

NURS 4440. Nursing Practicum. 6 hrs.

This course assists students in the integration of theory and practice as they approach completion of the nursing major. Students choose a clinical area to carry out nursing activities that promote health potential. Goals include development of autonomy in nursing practice, skill in clinical decision making and judgment and professional role development. (2 hour lecture, 8 hours lab.) PR: MGMT 2209 or 3308, and NURS 4400, 4410 or concurrent enrollment in NURS 4430. Spring semester only.

NURS 4441. School Nurse Practicum. 4 hrs.

The School Nurse Practicum is designed to help Registered Nurses meet West Virginia Board of Education standards for practicing school nurses. This specialization prepares nurses for their role in health restoration, maintenance and promotion and as an advocate for children and families. PR: Graduate of Nursing program, EDUC 2200 or concurrent enrollment in NURS 4441. (One hour lecture, 6 hours lab.)

NURS 4499. Special Topics in Nursing. 1-12 hrs.

This course is concerned with special studies in selected topics, to be determined by the instructor and approved by the School's chairman. Credits earned will be applicable as free electives.

OFFICE ADMINISTRATION

(School of Business)

OFAD 1100. Microcomputer Keyboarding. 3 hrs.

This course is designed to teach the touch control method of the alpha/numeric keyboard for the typewriter and microcomputer, as well as the ten-key numeric keypad. This course includes development of speed and control, vertical and horizontal centering, simple tabulation, memoranda, letters, reports, tables and interpretation of proofreader's marks. Open to all students.

OFAD 1199. Special Topics in Office Administration. 1-12 hrs.

Studies in special selected topics, to be determined by the instructor and approved by the School Dean. Credits earned will be applicable as free electives in degree and certificate programs.

OFAD 2200. Alphabetic Notetaking. 3 hrs.

This course is designed to teach students the principles and theory of abbreviated writing for notetaking and study skills. Emphasis is on theory, brief forms, reading/writing, summarizing, synthesizing and paraphrasing. Students will learn about what is worth noting, taking textbook notes and improving study habits. This course is for students who have had no previous training. 3 hours of lecture per week.

OFAD 2230. Introduction to Word Processing. 3 hrs.

This course will present opportunities to explore microcomputer operations, computer software and word processing applications. In addition, it will provide an overview of the concepts and terminology of computer operations, including some of the basic principles of word processing. 3 hours of lecture and discussion per week. PR: OFAD 1100 or instructor's consent or high school keyboarding courses.

OFAD 2232. S-C&TC Word Processing Applications. 3 hrs.

The course will focus on advanced applications on microcomputers, with emphasis on formulating standard documents and printing using various printers. PR: OFAD 2230.

OFAD 2233. S-C&TC Database Applications. 3 hrs.

This course is designed to provide a foundation in the latest methods and systems of retrieving information and in planning, organizing and controlling integrated records retention systems in the electronic office. Simulated activities are designed to give students practice in microcomputer storage and retrieval, utilizing appropriate software. May be used as a business elective.

OFAD 2240. S-C&TC Administrative Office Procedures. 3 hrs.

This course is an integrated approach to the required procedures in a business establishment. The course provides information on business principles and promotes a high standard of office ethics. Topics include telecommunications, mail processing, records management, conference setting, travel arrangements and office machine use including calculators, transcribers and reprographic equipment.

OFAD 2241. S-C&TC Workplace Productivity. 3 hrs.

This course is designed to allow the student to synthesize the concepts and principles offered in the various disciplines of study within

the Department of Office Administration. It will focus on the major office applications found in suite software/word processing, electronic presentations, spreadsheets and databases. Students will participate in exercises that use these applications to show the real-world significance of the software. In addition to computer applications, students will develop the critical thinking and decision-making skills which are expected of today's office support personnel. PR: OFAD 2232, 2233, 2240, 2250, INFO 2220.

OFAD 2242. S-C&TC Professional Internship and Portfolio Development. 3 hrs.

The purpose of this course is to allow students to bring business topics into focus by using all their collected business knowledge. This will be accomplished through completion of a portfolio that will demonstrate to prospective employers the student's career preparation. The student will also be required to complete a professional internship; a total of 140 hours of supervised work will be required. The importance of career and goal planning will be emphasized. PR: BUSN 1102, OFAD 2240, 2251, and/or instructor's consent.

OFAD 2250. S-C&TC Desktop Publishing. 3 hrs.

A beginning course which provides a foundation in the basic principles of page layout and design, as well as typographical conventions, coupled with hands-on use of computer hardware and applications. Students will learn desktop publishing skills by completing several practical projects.

PHILOSOPHY

(College of Liberal Arts)

PHIL 1199. Special Topics in Philosophy. 1-12 hrs.

The topic to be studied will be determined by the instructor and approved by the chairperson. Credits earned will be applicable as free electives in degree and certificate programs.

PHIL 2200. S-FSU Introduction to Philosophy. 3 hrs.

A survey of the principal problems and theoretical responses which have come from man's attempts to organize his experience and direct his existence. The ideas of individual thinkers (Socrates, Plato, St. Augustine, Bruno, Locke, Sartre, Heidegger, *et al.*) and schools of interpretation (rationalist, empiricist, pragmatic) are highlighted.

PHIL 2250. S-FSU Great Philosophers. 3 hrs.

A survey of the historical development of western philosophical thought from ancient Greece to the twentieth century. This course is a continuation of PHIL 2200, covering the issues and philosophers in more analytical detail. The focus is on developing trends of thought as exhibited by the methods of the great philosophers, and the corresponding challenges presented by their critics.

PHIL 3325. Ethics. 3 hrs.

A study and evaluation of classical and contemporary theories of right and wrong, good and bad and inhuman conduct, with emphasis on the implications of these theories for resolving contemporary moral problems. The corrosion of dogmatic ethical positions through skepticism and relativism is examined, and helpful responses are introduced. Students will discuss problems in medical ethics as well.

PHIL 3350. Comparative Religion. 3 hrs.

Description and analysis of the philosophical thought underlying the major religions of the world.

PHIL 4475. Philosophy of History. 3 hrs.

A survey of the philosophical positions, both speculative and analytical, that have been advanced to evaluate humanity's historical understanding and experience. Credit in either philosophy or European history.

PHIL 4400. Seminar. 3 hrs.

Research and reading for advanced students. Participants are required to write a paper on a philosophical issue of their interest.

PHYSICAL EDUCATION

(School of Education/Health and Human Performance)

PHED 1100. S-FSU Fitness and Wellness. 2 hrs.

This course is designed to provide an opportunity for students to make intelligent choices concerning lifelong wellness and to achieve optimum levels of fitness through regular exercise, proper nutrition, weight control and stress management.

PHED 1101. Basic Physiological Conditioning-Health. 1 hr.

This course covers the analysis, application and integration of basic physical conditioning and health concepts. The course is offered in eight-week sessions.

PHED 1102. Weight Training/Lifting. 1 hr.

The analysis and application of the rules, boundaries, strategies, psychomotor skills and safety aspects of the individual sport of weight training/lifting are studied. The course is offered in eight-week sessions.

PHED 1120. Basketball (Beginning). 1 hr.

An introduction to the analysis and application of the rules, boundaries, strategies, psychomotor skills and safety aspects of the team sport of basketball. This course is offered in eight-week sessions.

PHED 1121. Introductory Seminar in Human Movement. 2 hrs.

General survey of instructional and non-educational professional career alternatives available within physical education. Students will discuss issues, trends, history, philosophy, and future career directions in physical education.

PHED 1126. Tennis (Beginning). 1 hr.

The student will be introduced to basic skills, rules, boundaries, game situations and team play.

PHED 1130. Flag Football. 1 hr.

Addresses the analysis and application of the rules, boundaries, strategies, psychomotor skills and safety aspects of the team sport of flag football. This course is offered in eight-week sessions.

PHED 1140. Golf. 1 hr.

This course focuses on the analysis and application of the rules, boundaries, strategies, psychomotor skills and safety aspects of the individual sport of golf. This course is offered in eight-week sessions.

PHED 1144. Racquetball. 1 hr.

The analysis and application of the rules, boundaries, strategies, psychomotor skills and safety aspects of the individual sport of racquetball are studied. This course is offered in eight-week sessions.

PHED 1162. Softball. 1 hr.

The analysis and application of the rules, boundaries, strategies, psychomotor skills and safety aspects of the team sport of softball are studied. This course is offered in eight-week sessions.

PHED 1199. Special Topics in Physical Education. 1-12 hrs.

Special topics will be studied, to be determined by the instructor and approved by the School's chairman. Credits earned will be applicable as free electives in degree and certificate programs.

PHED 2211. Anatomy and Physiology. 4 hrs.

An introduction to the basic knowledge of the structure and functions of the human body and the changes that occur during physical activity and sport. PR: BIOL 1101-1102.

PHED 2212. Physiology of Exercise. 3 hrs.

This course investigates the knowledge of basic physiological adaptations that accompany physical activity and sport. PR: PHED 2211.

PHED 2223. Evaluation of Instruction in Sport. 2 hrs.

A study of the evaluative process pertinent to the instruction of sport activities. Further emphasis is placed on the formation of objectives, construction and selection of tests, computation of statistical scores and appraisal of total program effectiveness.

PHED 2232. Basic Aquatics. 2 hrs.

Introduction to the knowledge and skills necessary to become proficient and safe in or on the water.

PHED 2233. Advanced Aquatics-Lifeguarding. 2 hrs.

Basic and advanced swimming strokes are examined, with an emphasis on achieving proficiency in lifeguarding techniques. Does not apply to Recreation minor. Successful completion of this course is required for Red Cross certification.

PHED 2234. Individual and Dual Sports I. 2 hrs.

The rules, boundaries, strategies and psychomotor skills characteristic of the sport forms are analyzed and applied to the following: golf, racquetball, handball, squash and bowling.

PHED 2235. Team Sports I. 2 hrs.

The rules, boundaries, strategies and psychomotor skills characteristic of the sport forms are analyzed and applied to the following: basketball, flag football, baseball and speedball.

PHED 2236. Team Sports II. 2 hrs.

The rules, boundaries, strategies and psychomotor skills characteristic of the sport forms are analyzed and applied to the following: volleyball, field hockey, softball and soccer.

PHED 2239. Individual and Dual Sports II. 2 hrs.

The rules, boundaries, strategies, and psychomotor skills characteristic of the sport forms are analyzed and applied to the following: track and field, tennis, table tennis and badminton.

PHED 2240. Outdoor Leisure Activities. 2 hrs.

Safety, knowledge and skills specific to the area of outdoor leisure activities are analyzed and applied in the following sports: archery, horseshoes, hiking, backpacking, orienteering, camping and others.

PHED 2241. Gymnastics and Dance. 2 hrs.

This course analyzes and applies safety, instructional strategies, and skill techniques characteristic of gymnastics and dance in basic tumbling, fundamental jazz and aerobic dance.

PHED 3313. Biomechanics. 3 hrs.

The study of humans in motion, including the structures that are responsible for motion and the forces that influence human motion. PR: PE 2211.

PHED 3316. Fitness Assessment and Exercise Prescription. 3 hrs.

The study of methods of determining fitness levels, developing safe exercise programs and developing and administering group exercise/wellness programs. Emphasis is placed on evaluation techniques and exercise prescription. PR: PHED 2211, 2212.

PHED 3318. Sport Social Psychology. 2 hrs.

Students explore topics related to the social and psychological aspects of physical activity and sport. PR: SOCY 1110, PSYC 1101.

PHED 3320. Lifespan Motor Development. 3 hrs.

The course will study changes in motor behavior over the human lifespan and the processes which underlie these changes. Emphasis will be placed on current issues and research in motor development. PR: PHED 1121.

PHED 3323. Early Psychomotor Curriculum. 3 hrs.

This course examines the analysis and application of instructional strategies, psychomotor skills and patterns characteristic to the elementary physical education curriculum in the following areas: movement education, fundamental and manipulative skills, rhythmic activities and sport lead-up games.

PHED 3325. Psychomotor Analysis Lab. 3 hrs.

An application and analysis of teaching models and evaluation techniques to a sport environment in order to facilitate affective, cognitive, social, and psychomotor learning outcomes. Practical teaching experience in the psychomotor domain is provided. PR: PHED 3323.

PHED 3326. Early Psychomotor Development. 2 hrs.

An analysis of the growth, development, and maturation of cognitive, psychomotor, affective and social sport behaviors of children. Students will explore activities pertinent to early childhood experiences.

**PHED 3342. Field Experience in Adapted Physical Education
2-4 hours**

A field experience in working with institutions and organizations which provide services to the handicapped. Variable credit is dependent upon the nature and duration of the field experience. PR: PHED 3343.

PHED 3343. Adapted Physical Education Activities. 2 hrs.

Instructional strategies in modifying physical skills to meet the needs of the disabled are analyzed and applied in an activity lab setting.

PHED 3353. Field Experience in Sport Coaching 2-4 hours

Field experience will be provided to involve the student as an intern coach in either an intercollegiate or interscholastic sport program.

PHED 3354. Sports Officiating. 2 hrs.

This course involves the technical and theoretical aspects of sport officiating. The first-semester course will emphasize men's regulations common to the sport; the second semester will emphasize women's regulations common to the sport. PR: Instructor's consent.

PHED 3355. Scientific Foundations of Sport Coaching. 4 hrs.

The student will examine basic human physiological adaptations that occur during participation in sport activities. Basic mechanical laws and principles and their application to the performance of sport activities will be studied.

PHED 3356. Administration and Coaching of Sport. 3 hrs.

This course focuses on basic psychological, philosophical and technical knowledge and its relationship to the coaching of sport activities. Further emphasis will be placed on the principles and practices that are required in the planning, organization and administration of sport programs.

PHED 3357. Medical-Legal Aspects of Sport Coaching. 2 hrs.

A study of anatomical and physiological concepts related to the prevention and care of physical trauma which occur in sport activities. Students will examine legal aspects of injury prevention and care as they are related to the sport programs.

PHED 3358. Techniques of Sport Coaching. 6 hrs.

A presentation of sport skill techniques in combination with the theoretical aspects of sport coaching. A field experience in sport coaching will be provided through an internship in two selected intercollegiate or interscholastic sports programs.

PHED 3365. Activities in Outdoor Education. 1-3 hrs.

This course provides experience in outdoor education, including backpacking, canoe-camping, rock climbing and other activities. Each weekend will be spent at a different location to develop a variety of outdoor educational skills.

PHED 3366. Field Experience in Outdoor Education. 1-3 hrs.

This course offers extended outdoor educational experiences, including Appalachian Trail, river canoe-camping trips, and others. Credit will vary according to the length of the experience. PR: PHED 3365.

PHED 4371. Principles of Athletic Training. 3 hrs.

Students will learn basic competencies related to the controlling and managing of sport-related injuries, including presentations of prevention and treatment of these injuries. PR: PHED 2211, 2212.

PHED 3372. Field Experience in Athletic Training. 2-4 hrs.

Experiences in athletic training procedures and techniques with college and secondary school athletic teams are provided. Variable credit is dependent upon the nature and duration of the internship. PR: PHED 3371.

PHED 3399. Sport Management Internship. 3 hrs.

This course comprises a directed internship in a particular area of specialization. Students will complete the internship in cooperation with a community agency or business, clinic, or other appropriate organization. Direct observation and on-the-job experience, through active participation in ongoing programs, will enable students to broaden their scope beyond the classroom.

PHED 4400. Research Methodology. 3 hrs.

Introductory course in the planning and implementation of research in the study of human performance. Students will consider the topics of variables and hypotheses, research designs, data collection, analysis and interpretation. PR: All required PHED coursework below 4400 level.

PHED 4410. Research Design Seminar. 3 hrs.

Survey of research in the historical, administrative, performance, motor development, philosophical, psychological and sociological issues in the current literature in the study of human movement. The student will select and design a research project in one of the specific areas. PR: PHED 4400.

PHED 4420. Exercise Science I. 3 hrs.

The purpose of this internship is to provide students with the opportunity to gain practical experience in the field of fitness/wellness. This culminating experience allows students to apply theoretical knowledge to a "real-life" situation under the supervision of professionals currently in the fitness/wellness field. PR: All pre-4400-level coursework.

PHED 4431. Methods and Materials in Teaching Health and Physical Education. 3 hrs.

Curriculum, materials and techniques for teaching all grade levels of physical education and health are examined. Practical experience in the schools required. PR: PHED 3325.

PHED 4450. Advanced Sport. 1 hr.

This course is opened only to students with sufficient background in the techniques and methods of an indicated sport. Credit is not to be awarded until the student has attained junior standing and can be received only once during a student's academic career. This course is for elective credit only and cannot be used to fulfill the requirements in any degree program.

PHYSICAL SCIENCE

(College of Science and Technology)

PHSC 1100. Scientific Methodology. 2 hrs.

This is a laboratory-oriented course designed to emphasize the methods and processes which permeate all scientific disciplines. Students will develop experience in a variety of areas in the physical sciences. This course is required for all Secondary Education majors seeking to fulfill their Liberal Studies science requirements by taking six hours of Physical Science. One one-hour lecture and one two-hour laboratory per week.

PHSC 1199. Special Topics in Physical Science. 1-12 hrs.

Studies in special selected topics, to be determined by the instructor and approved by the School's chairman. Credits earned will be applicable as free electives in degree and certificate programs.

PHSC 2201. Exosphere. 4 hrs.

This course is designed to provide elementary education majors with an understanding of the interrelationships of matter and energy, and the earth in space. The Exosphere theme will focus primarily on astronomy and physics, while incorporating topics in earth science and biology. Class periods will be structured around the three-stage learning cycle, modeling constructivist teaching methods. Four hours of lecture/discussion/activities per week. For elementary education majors only. PR: BIOL 1104 with a C or better. Fall semester only.

PHSC 2202. Geosphere. 4 hrs.

This course is designed to provide elementary education majors with an understanding of the dynamic earth and its matter. Students will primarily focus on earth science and chemistry topics, while integrating biology concepts and physics topics such as balanced and unbalanced forces, magnetism, friction, wave propagation and structure. Four hours of lecture/discussion/activities per week. For elementary education majors only. PR: BIOL 1104 with a C or better. Spring semester only.

PHSC 4412. Elementary Science Methods. 3 hrs.

This course is designed to prepare pre-service elementary school teachers to teach science. Students will work with equity, authentic assessment, technology integration, safety, and science pedagogy including inquiry, constructivism and problem-based learning. Students will conduct a learning cycle-based lesson with elementary students during an after-school program, and will construct an integrated thematic unit for use in an elementary classroom. PR: Admission to the teacher education program and the following courses: BIOL 1104, PHSC 2201, 2202, all with a C or better.

PHSC 4431. Methods and Materials in Teaching Science. 3 hrs.

The course is designed for students preparing to teach science at the middle or secondary-school level. Students will develop and teach a science lesson to junior high school children in the Science Enrichment Program. They will become familiar with science curriculum in the middle and secondary schools, science teaching resources, test construction and classroom management skills, and will develop an instruction unit. PR: junior status, 2.75 in science courses completed and admission to Teacher Education. Spring semester only.

PHYSICS*(College of Science and Technology)*

PLEASE NOTE: PHYS 1105/1106 substitutes for PHYS 1101/1102 in all programs. PHYS 1105, 1106 is calculus based and is a more appropriate level of study than PHYS 1101/1102 for science majors.

PHYS 1101. S-FSU Introduction to Physics. 4 hrs.

An introduction to elementary principles of mechanics, sound, and heat. A three-hour laboratory period each week supplements the three lecture-recitation periods. PR: MATH 1102 or MATH 1115.

PHYS 1102. S-FSU Introduction to Physics. 4 hrs.

A continuation of PHYS 1101; includes a study of electricity and magnetism, light and basic atomic and nuclear physics. PR: PHYS 1105, 1106 substitutes for PHYS 1101, 1102 in all programs. PHYS 1105, 1106 is calculus based and is a more appropriate level of study than PHYS 1101, 1102 (for science majors and some technology majors. PR: PHYS 1101.

PHYS 1105. S-FSU Principles of Physics I. 5 hrs.

Students are instructed in the elementary principles and calculus-based mathematical descriptions of matter and energy, including mechanics (linear and rotational motion, force, work and energy, harmonic motion), fluids, wave motion and thermal physics. A three-hour lab period supplements a four-hour weekly lecture. CR: MATH 1186 or MATH 3315 or TECH 3300. PR: MATH 1185 or MATH 1150 or TECH 2250.

PHYS 1106. S-FSU Principles of Physics II. 5 hrs.

Students are instructed in the elementary principles and calculus-based mathematical descriptions of electricity and magnetism, light, optics and modern physics. A three-hour lab period supplements the four-hour weekly lecture. PR: PHYS 1105.

PHYS 1199. Special Topics in Physics. 1-12 hrs.

Studies in special selected topics, to be determined by the instructor and approved by the School's chairman. Credits earned will be applicable as free electives in degree and certificate programs.

PHYS 2201. Demonstrations in Physics. 2 hrs.

This course covers effective use of everyday materials to illustrate physical phenomena, experience with a variety of lecture equipment, and practice in planning and executing demonstrations. It is designed to serve teachers in both the elementary and secondary schools. PR: Program Restriction: Physics single teaching field.

PHYS 2202. Astronomy. 3 hrs.

A study of the physical properties of the solar system, stars and galaxies, including the concepts of motion, space and time. Occasional night sessions. PR: PHYS 1102 or PHYS 1106.

PHYS 2310. Electricity and Electronics. 4 hrs.

A review of elementary direct and alternating current theory and transient responses of electrical components. Students are introduced to basic theory of vacuum tubes, semiconductors, amplifiers principles, and logic circuits. Two hours of laboratory and three hours of lecture each week. PR: PHYS 1102, or PHYS 1106.

PHYS 2325. Advanced Physics I. 4 hrs.

An in-depth, rigorous, calculus-based treatment of thermodynamics, mechanics (including Newtonian mechanics, one-dimensional dynamics, oscillatory motion, vector analysis and central forces) and wave motion. A two-hour lab period supplements the three-hour weekly lecture. The lab component provides open-ended, inquiry-based investigations along with greater responsibility for interpreting, utilizing and communicating results in the classroom. PR: (PHYS 1102 or PHYS 1106) AND (MATH 1186 or MATH 3315 or TECH 3300)

PHYS 2335. Advanced Physics II. 4 hrs.

An in-depth, rigorous, calculus-based treatment of modern physics, including relativity, particle-wave duality, electromagnetic radiation, Schrödinger's wave equation, atomic theory and nuclear physics. A two-hour lab period supplements the three-hour weekly lecture. The lab component provides open-ended, inquiry-based investigations along with greater responsibility for interpreting, utilizing and communicating results in the classroom. PR: (PHYS 1102 or PHYS 1106) AND (MATH 1186 or MATH 3315 or TECH 3300)

PHYS 3340. Special Problems. 2 hrs.

Individual studies of problems of special interest in the field of physics, for advanced students. PR: (PHYS 1102 or PHYS 1106) AND (MATH 1186 or MATH 3315 or TECH 3300)

PHYS 3350. Mathematical Methods of Physics. 3 hrs.

This course deals with the applications of vectors, vector algebra, vector analysis, differential calculus, integral calculus and differential equations to problems in physics and related scientific fields. PR: (PHYS 1102 or PHYS 1106) AND (MATH 1186 or MATH 3315 or TECH 3300)

POLITICAL SCIENCE*(College of Liberal Arts)***POLI 1101. Introduction to Global Affairs. 3 hrs.**

A survey course focusing on the major global issues facing the world today, such as energy, environment, economy, food, population growth, technology and information, war, peace and human rights.

POLI 1103. S-FSU American Government. 3 hrs.

A survey of the American political system, dealing particularly with the form and function of the federal system.

POLI 1199. Special Topics in Political Science. 1-12 hrs.

Studies in special selected topics, to be determined by the instructor and approved by the chairperson. Credits earned will be applicable as free electives in degree and certificate programs.

POLI 2200. S-FSU Introduction to Political Science. 3 hrs.

A study of the fundamentals of politics and key issues, the concept of the state and its agent, government, types of political authority, the scope of governmental activities and the problem of world order.

POLI 2201. S-FSU Principles of International Relations. 3 hrs.

A study designed to acquaint the student with the theory and practice of international relations.

POLI 2203. S-FSU Comparative Government. 3 hrs.

This survey course is designed to foster a broad general acquaintance with the political institutions and government practices of certain nations.

POLI 2204. Introduction to Public Administration. 3 hrs.

An introductory study of the origins, structures, and processes of government administration. PR: POLI 1103.

POLI 2205. S-FSU State and Local Government. 3 hrs.

A study of the structure and function of American state and local governments. PR: POLI 1103.

POLI 2206. Public Planning in Appalachia. 3 hrs.

A study of federal-state relations, regional planning and development administration in West Virginia, the Appalachian Regional Commission, public program analysis and evaluation and images and realities of public planning in West Virginia.

POLI 2207. Public Budgeting and Government Finance. 3 hrs.

This course analyzes the political, economic and social aspects of budgeting, with particular emphasis on their relationships in West Virginia state and local government.

POLI 2209. Special Topics. 3 hrs.

An issue-oriented study of some germane matter in public administration. The course involves an extensive commitment to a single issue or policy area over the course of the semester.

POLI 2240. Nonparametric Statistics. 3 hrs.

This course introduces the student to the fundamental principles of descriptive and inferential statistics, with an emphasis on the analysis of nominal and ordinal data. Topics include nonparametric tests of significance, scaling, coding and a discussion of hypothesis construction. This course should be taken during the sophomore year. (Credit in either Political Science or Sociology.) PR is one of the following, with a grade of C or better:

- (a) MATH 1100
- (b) MATH 1107
- (c) MATH 1112
- (d) MATH 1115

POLI 3301. Comparative Public Administration. 3 hrs.

Utilizing the techniques of comparative analysis, this course explores the theory and practice of public administration in various cultures and political systems. Attention is centered on the practices of administration in American national, state and local governmental settings.

POLI 3303. Political Parties. 3 hrs.

A study of the origins, growth and development of American political parties. PR: POLI 1103.

POLI 3304. American Constitutional Government and Law. 3 hrs.

This course examines the development, interpretation and application of basic principles of constitutional law in the United States. The course will be concerned with the definition, extents and limitations of governmental powers and rights of Americans. PR: POLI 1103.

POLI 3305. American Political Theory. 3 hrs.

A study of the political literature which has given expression to the ideas of individual liberty enjoyed by American citizens.

POLI 3306. The American Presidency. 3 hrs.

This course will introduce the student to the institution of the American presidency and will also act as a comprehensive survey of the presidency. Students will examine several aspects of the office and a variety of views about the presidency. PR: POLI 1103.

POLI 3307. Congress and the Legislative Process. 3 hrs.

This course introduces the student to the institution of the Congress and the legislative process. Topics include the internal processes and structure of Congress, Congress-constituent connections and its relationship with other branches and levels of government. PR: POLI 1103.

POLI 3308. Public Personnel Administration. 3 hrs.

An examination of public personnel administration, with emphasis on such matters as the merit system, the historical development of public service, staffing, training, classification, the rights and obligations of public employees and the human-relations aspects of public management.

POLI 3310. Recent Political Theory. 3 hrs.

An analysis of the development and theoretical foundations of three major political ideologies of the nineteenth and twentieth centuries: Communism, fascism, and democracy.

POLI 3321. U.S. Foreign Policy. 3 hrs.

This course explores U.S. foreign policy formulation and considers policies by areas and functions. PR: POLI 1103.

POLI 3340. Political Science Research Methods. 3 hrs.

This course is designed to introduce the student to the methods of conducting replicable research in political science. Topics include research design, literature review, measurement criteria, data gathering, analysis and validity. The course will consist of lectures and exercises in the classroom, library and computer lab. PR: POLI 2240.

POLI 3350. International Law and Organization. 3 hrs.

A study of the structure and functions of international institutions and legal processes involved in the effort to maintain peace and security in the world.

POLI 3360. Government and Politics of the Far East. 3 hrs.

A study of political systems and developments in the countries of Communist and Nationalist China, South and North Korea and Japan, with emphasis on China. Students will consider such relevant aspects as the historical foundation, economic problems and foreign policy of the state.

POLI 3393. Future Global Crises. 3 hrs.

A team-taught, multi-disciplinary study of potential developments in the world. Areas of concentration are tailored to students' interests. (Credit in Technology or Psychology.)

POLI 4404. Civil Liberties in the U.S.. 3 hrs.

A study of the nature and substance of civil liberties in the United States. The philosophy underlying the Bill of Rights will be analyzed and students will discuss the development of each of the great freedoms protected therein, such as free speech, free press, and free religion among others. Particular attention will be given to how the Supreme Court has interpreted and applied the guarantees contained within the Bill of Rights in specific instances. PR: POLI 1103.

POLI 4405. Terrorism. 3 hrs.

A course designed to give the student an understanding of the problem of terrorism and political violence. The course will define terrorism, examine its origins, characteristics, nature and trends, analyze in detail various terrorist organizations and address selected problems in the response to terrorism. (Credit in Political Science or Criminal Justice.)

POLI 4406. International Problems. 3 hrs.

This course covers the foreign policies of several nations and the machinery established for the peaceful adjudications of international differences.

POLI 4410. Problems in American Government. 3 hrs.

A study of current problems affecting the structure and function of American national government. PR: POLI 1103.

POLI 4411, 4412, 4413. Area Studies. 3 hrs.

Studies of selected areas or regions of the world, conducted on an interdisciplinary basis. The area selected and the time span studied will be determined by the instructor. PR: Instructor's consent if offered as an arranged class; no prerequisite required if class meets regularly.

POLI 4450. Practicum. 3-12 hrs.

A professional internship with a government or political agency, designed to give students pertinent experience in a particular field of political science. PR: POLI 1103. Consent of Instructor.

POLI 4470. Seminar in Political Science. 3 hrs.

A survey of recent developments in the practice and theory of politics, with an emphasis on independent study. PR: Consent of Instructor.

PSYCHOLOGY

(College of Liberal Arts)

PSYC 1101. 5-FSU Introduction to Psychology I. 3 hrs.

A general overview of the science of psychology. Topics include science methodology, life-span psychology, personality theory, consciousness, stress, health and coping, learning theory, psychological disorders, biopsychology, sensation, cognition and memory and social psychology.

PSYC 2220. History and Systems of Psychology. 3 hrs.

Traces the development of the science of psychology from its origins in philosophy, physiology and medicine to the modern era. PR: PSYC 1101.

PSYC 2230. Social Psychology (Same as SOCY 2230). 3 hrs.

A study of how man affects and is affected by others. Topics include the socio-psychological foundations of perception, affiliation, influence, group structure and dynamics, attitude formation and change. PR: PSYC 1101.

PSYC 2240. Statistics. 4 hrs.

This course covers elementary statistical description and analysis, as employed particularly in the behavioral sciences. Three hours of lecture, one hour of laboratory per week. PR: PSYC 1101.

PSYC 2250. 5-FSU Community Psychology. 3 hrs.

This course consists of lectures, discussion, readings and field observation designed to acquaint the student with the philosophy, technique and theory of community mental health. PR: PSYC 1101.

PSYC 2260. Industrial and Personnel Psychology. 3 hrs.

A study of psychological concepts and methods as applied to personnel management, human-factors engineering, employee selection, motivation, training, productivity, consumer psychology and human relations. PR: PSYC 1101.

PSYC 3300. Abnormal Psychology. 3 hrs.

A survey of the antecedents, diagnosis, treatment and prevention of various maladjustments and personality disturbances. PR: PSYC 1101.

PSYC 3310. Experimental Psychology. 3 hrs.

An introduction to the procedures of experimental research, design and evaluation, using laboratory techniques. Two hours of lecture and two hours of laboratory weekly. PR: PSYC 1101, 2240.

PSYC 3320. Sensation and Perception. 3 hrs.

An examination of the classical concepts in sensation and perception and of the resulting psycho-physical data for each of the major senses, with an emphasis on vision and audition. Psychology and modern perceptual formulations are viewed through the lens of empirical data. PR: PSYC 1101.

PSYC 3330. Developmental Psychology. 3 hrs.

A longitudinal study of behavior change and development through the life span of the individual, from conception through the end of life. PR: PSYC 1101.

PSYC 3340. Operant Techniques and Applications. 3 hrs.

A detailed study of operant techniques and methodologies, from the experimental laboratory to the community at large. Emphasis is placed on the development of skills in the observation, manipulation and evaluation of various behavior-control techniques in the light of ethical concerns. PR: PSYC 1101 or instructor's consent.

PSYC 3350. Biopsychology. 3 hrs.

This course focuses on the basic development, structure and function of the central nervous system, autonomic nervous system and endocrine system. The emphasis is on the relationship between physiological functioning and the behavior of the intact organism. PR: PSYC 1101.

PSYC 3360. Cognitive Psychology. 3 hrs.

The study of thinking, memory, perception, cognition and verbal behavior. PR: PSYC 1101 or instructor's consent.

PSYC 3370. Theories of Learning. 3 hrs.

A study of the experimental procedures, data and concepts dealing with changes in behavior that are usually defined as learning. The emphasis is on a detailed analysis of various theories of learning and contemporary approaches. PR: PSYC 1101.

PSYC 3390. Foundations of Psychology. 3 hrs.

A detailed study of the methodological and philosophical issues involved in the analysis of behavior. The course objectives are to provide insight into the nature of applied scientific research, to foster the ability to construct empirical hypotheses, to develop facility in designing experimental tests of hypotheses, to promote effective reading and evaluation of psychological research and to encourage professional writing and speaking about psychological theory and experimentation. PR: PSYC 1101, 2240.

PSYC 3393. Future Global Crises. 3 hrs.

A team-taught, multi-disciplinary study of potential developments in the world. Areas of concentration are tailored to students' interests. (Credit in Political Science or Technology). PR: PSYC 1101

PSYC 3399. Special Topics in Psychology. 1-12 hrs.

Studies in special selected topics, to be determined by the instructor and approved by the School's chairperson. Credits earned will be applicable as free electives in degree and certificate programs. PR: PSYC 1101

PSYC 4400. Psychometrics. 3 hrs.

This course addresses the general theory of measurement as involved in various areas of psychology, such as psychological tests, attitude scales, psychophysics and qualified behavior theory. PR: PSYC 1101, 2240.

PSYC 4410. Theories of Personality. 3 hrs.

A critical consideration of the major theories of personality, including Psychodynamic, Cognitive, Cognitive Behavioral, Behavioral, Existential, Trait, Adlerian and Gestalt theory. The basis of personality theoretical development will also be emphasized. PR: PSYC 1101.

PSYC 4420. Comparative-Ethological Psychology. 3 hrs.

A study and comparison of the methods and major theories in ethology and psychology, as related to the behavior of species at different phylogenetic levels. Through lectures, laboratory, and field observations, the course will address topics such as behavior as related to species, speciation and evolution, imprinting, learning, the place of animal experimentation in psychology and aspects related to population and ecology. PR: PSYC 1101 or instructor's consent.

PSYC 4460. Seminar. 3 hrs.

The discussion of specific research topics as reported in contemporary psychological literature is emphasized in this particular course. It is designed specifically to promote students' analytical thinking and presentation, as it pertains to current research investigation. PR: PSYC 1101. May be repeated once.

PSYC 4480. Directed Studies. 1-3 hrs.

Intensive study and reading on a topic selected by the student and instructor. Requirements and credit must be decided before registration through instructor-student consultation. PR: Instructor's consent. (Six-hour limit.) PSYC 1101

PSYC 4481. Industrial Psychology, Methods I. 3 hrs.

Students in this course will develop skills and understanding in the areas of job analysis, performance appraisal, training, motivation, attitudes, job satisfaction, productivity and consumer psychology. Some field work is required. PR: 1101, 2240, 2260, or instructor's consent.

PSYC 4483. Industrial Psychology Methods II. 3 hrs.

Skills and understanding are developed in the areas of leadership, supervision, communication, organizational behavior, accidents and safety, fatigue, monotony, working conditions and engineering psychology. Some field work required. PR: PSYC 4481 or instructor's consent, PSYC 1101

PSYC 4485. Advanced Psychometrics. 3 hrs.

This course covers personnel selection and placement, as well as a more advanced treatment of reliability and validity. Skills in these areas are developed. PR: 4400 and instructor's consent.

PSYC 4487. Practicum I. 3 hrs.

PSYC 4489. Practicum II. 3 hrs.

These Practica afford an application of knowledge and techniques developed within the Industrial-Personnel Program. Students work under supervision in participating businesses, industries and institutions. The remaining time is spent in lectures, discussion and reading to enhance the student's training. PR: Courses in Industrial-Personnel Program and instructor's consent.

PSYC 4490. Directed Research. 1-3 hrs.

This course provides an opportunity for work on individual library or experimental projects. Requirements, including a thesis, and credit must be decided before registration through instructor-student consultation. PR: Instructor's consent. (Six-hour limit.) For additional information on the availability of Technical Studies Degrees and specific requirements, contact the Community and Technical College Office.

PSYC 4491. Psychopathology of Childhood and Adolescence. 3 hrs.

Problems of etiology, diagnosis and treatment of maladjustment in childhood and adolescence. Students will analyze and discuss problems like drug addiction and juvenile delinquency. PR: PSYC 3300, 3330, or instructor's consent.

PSYC 4493. The Psychology of Aging. 3 hrs.

A study of problems facing the aging. The psychological, social and physiological aspects of aging and methods of treatment are analyzed and discussed. PR: PSYC 3330, or instructor's consent.

PSYC 4494. Interpersonal Dynamics. 3 hrs.

The main objective of this course is to develop techniques and basic skills required for effective operation in psychological settings such as interviews, role-playing, and facilitation of dyadic and small "dynamics-centered" group interaction. These diagnostic and therapeutic methods are experienced and discussed in terms of various psychological theories of communication. PR: SPCH 1100, courses in Community Service or Industrial-Personnel, and instructor's consent.

PSYC 4495. The Psychology of Delinquency. 3 hrs.

This course investigates factors in the etiology of the delinquent in modern society, with special emphasis on the urban scene. Topics include personality and emotional problems associated with delinquency, and problems of treatment. Students visit persons and institutions serving juvenile delinquents. PR: 3300, 3330, or instructor's consent.

PSYC 4497. Clinical Practicum I. 3 hrs.

PSYC 4498. Clinical Practicum II. 3 hrs.

An application of knowledge and techniques developed within the psychology program. Students work under supervision in assigned agencies or institutions. Other practicum assignments are made as available. The remainder of time is spent in lectures, discussion and reading to enhance the student's training. PR: Courses in Community Service Program and instructor's consent.

RECREATION

(School of Education/Health and Human Performance)

RECR 1141. Introduction to Recreation. 3 hrs.

The historical and philosophical foundations of leisure and recreation are introduced. Students will cultivate the knowledge needed to develop concepts concerning recreation, the socio-economic movement affecting the growth and development of recreation, the economic services and the various areas of facilities used in recreation.

RECR 1142. Social Recreation. 3 hrs.

This course is designed to present material and information necessary to adequately conduct social recreation in clubs, churches, campus, playgrounds and recreation centers. Students will be involved with planning, programming, and conducting social recreational activities.

RECR 1143. Outdoor Recreation. 3 hrs.

An examination of the history and development of outdoor recreation, conservation and organized camping. Opportunities are provided to learn camp craft and leadership skills and techniques through field trips and outings.

RECR 1144. Group Leadership. 3 hrs.

This course presents information concerning human dynamics, leadership abilities, and the identification of group types. Students will obtain practical knowledge of group situations and the principles necessary for effective leadership. Opportunities for observation of recreation leaders will be provided. PR: RECR 1141.

RECR 1145. Program Planning and Organization. 3 hrs.

A presentation of the underlying principles for effective recreation planning. Attention is given to the variety of programs associated with recreation and the interests of the participants. Students will also examine methods of planning, organization, leadership, facilities and equipment. PR: RECR 1141.

RECR 1146. S-FSU Folk and Square Dance. 2 hrs.

This is a survey course of the history and development of folk and square dancing. The student will learn the necessary skills for participation and teaching a wide variety of dances. Appropriate dance activities within various recreational settings will be investigated.

RECR 1153. Seminar in Outdoor Recreation. 2 hrs.

This course provides an advanced experience in the organization and presentation of various outdoor programs. Participation includes a number of weekend and extended outdoor experiences, plus field studies in area outdoor facilities. PR: RECR 1143.

RECR 1154. Recreation Field Work I. 2 hrs.

The student will become acquainted with the nature and diversity of available recreation programs and services. The student will be assigned to recreational settings distinctly different in philosophy, organizational structure and clientele served.

RECR 1155. Recreation Field Work II. 2 hrs.

A continuation of RECR 1154, this sequence of field work courses is developmental. Progress develops from a dependent position to an interdependent position.

RECR 1199. Special Topics in Recreation. 1-12 hrs.

Special selected topics will be studied, to be determined by the instructor and approved by the School's chairman. Credits earned will be applicable as free electives in degree and certificate programs.

RECR 3300. Intramural Administration. 3 hrs.

This course provides administrative experience in directing and supervising institutional physical recreational programs. The course will be offered both semesters on an arranged basis. PR: Junior standing or instructor's consent. (The course cannot replace or be used in the fulfillment of other program requirements.)

RECR 3301. Day Camp Administration. 3 hrs.

In this course, students will gain administrative experiences in directing and supervising summer day camp programs (Falcon Camp). This course will be offered on an arranged basis during the first and second summer sessions only. PR: Junior standing or instructor's consent.

SAFETY EDUCATION

(School of Education/Health and Human Performance)

SAFE 1199. Special Topics in Safety. 1-12 hrs.

Special topics will be selected, to be determined by the instructor and approved by the School's chairman. Credits earned will be applicable as free elective credits in degree and certificate programs.

SAFE 2200. S-FSU Accident Analysis and Emergency Care. 2 hrs.

An analysis of problematic areas of accident causation, prevention, emergency treatment and control pertinent to the elementary school environment and teacher responsibilities. Elementary Education majors only.

SAFETY/ENVIRONMENTAL ENGINEERING TECHNOLOGY

(College of Science and Technology)

SFTY 1100. Safety and Environmental Components of Industry. 3 hrs.

This course provides an introduction to OSHA and EPA regulations pertaining to general and construction industry record keeping, OSHA/EPA inspection, fire, chemical exposure, most frequent violations and other topics.

SFTY 1150. Safety Management and Concepts in Accident Prevention. 3 hrs.

An introductory examination of safety management principles, with an emphasis on recordkeeping, hazard identification, product safety and behavioral-based safety, as related to accident prevention. PR: SFTY 1100, MATH 1101.

SFTY 2210. S-FSU Disaster Preparedness and Emergency Systems. 3 hrs.

A study of the major elements of disasters and emergencies, including systematic and organized methods of preparedness planning for these events.

SFTY 2250. Safety Law and Compliance. 3 hrs.

This course is a study of federal and state regulations governing general industry and product safety, with an emphasis on various legal problems related to OSHA and general industry. (OSHA 10-hour card is attainable upon completion of this class.) PR: SFTY 1100.

SFTY 2260. S-FSU Fire Prevention. 3 hrs.

An examination of fire prevention, detection and suppression. The NFPA Lifesafety Code will be addressed, as well as basic water supply and hydraulics, including distribution systems. PR: SFTY 1100, CHEM 1102.

SFTY 2280. Construction Safety & Law. 3 hrs.

This course covers federal construction regulations and the case law surrounding the construction industry. (OSHA 10-hour card is attainable upon completion.) PR: SFTY 2250, MATH 1102.

SFTY 2290. S-FSU Industrial Hygiene and Toxicology. 3 hrs.

An investigation of the methods for anticipating, recognizing, evaluating and controlling exposures in the workplace, while exploring the toxicological effects of contaminants on workforces. PR: SFTY 1150, CHEM 1102. CR: SFTY 2250.

SFTY 2291. Environmental Engineering Technology: Hazardous Waste. 4 hrs.

This class provides a comprehensive study of federal/state regulations and legislation pertaining to the Environmental Protection Agency. Coverage shall include EPCRA, TSCA, RCRA, CWA and CAA as related to generation, storage and disposal of chemicals and waste in industry. PR: CHEM 1102, SFTY 2250.

SFTY 2295. HazWOPER. 3 hrs.

A study of emergency responses related to hazardous chemical/waste spills. This course will be taught in accordance with OSHA's 29 CFR 1910.120. Completion of the course can result in HazWoper Certification.

SFTY 3300. Industrial Hygiene Applications and Practices. 4 hrs.

A continuation of SFTY 2290, this course allows students to explore and apply the industrial hygiene sampling methodologies applicable to different chemical, biological and thermal exposures in the workplace. This is a hands-on class, focusing on the utilization of sampling equipment. It satisfies the Writing Intensive Course requirement for Liberal Studies. PR: SFTY 2290.

SFTY 3310. Ergonomics & Human Factors. 3 hrs.

This class will explore the interaction between the design of the workplace and the worker, with an emphasis on anatomical/physiological stressors and common work-related musculoskeletal disorders. It will also focus on redesign and elimination of said stressors and cognitive factors related to the work environment. PR: SFTY 1100, CHEM 1102, MATH 1102, BIOL 1170. Spring Semester Only

SFTY 3335. Air Pollution. 3 hrs.

This course focuses on the state and federal requirements for air emissions, with an emphasis on reporting and sampling methodologies. Studies include criteria pollutants, hazardous air pollutants and ozone-depleting chemicals, as well as modeling and emission control/reduction. PR: SFTY 2291.

SFTY 3345. Water Pollution. 3 hrs.

A study of state and federal regulations governing industrial water pollution, including permitting, monitoring and remediation. The regulatory approach shall include the history of water pollution in this country and the technology and work practices available today to limit emissions. PR: SFTY 2291.

SFTY 4400. Safety Engineering Design. 3 hrs.

This course covers design engineering and engineering countermeasures needed to minimize losses incurred by man and the environment. PR: SFTY 2250, PHYS 1102.

SFTY 4415. Safety Internship. 3 hrs.

Students shall complete an advisor-approved safety internship. Responsibilities must be in the field of employee safety and/or health.

SFTY 4420. System Safety and Management. 3 hrs.

A study of System Safety methodologies and Process Safety management, with an emphasis on safety audits, safety management, risk assessment, loss control and statistical applications. PR: SFTY 4400, MATH 1113, INFO 1100.

SCIENCE**(College of Science and Technology)****SCIE 1103. Science That Matters I. 4 hrs.**

Socially-relevant science topics are investigated in an interdisciplinary (biology, chemistry, earth and space science, and physics), activities-based, modular format. Two-to three-week modules present both the process and content of science as a vital part of major contemporary issues. In each module, students explore the underlying science and employ collaborative learning and evidence-based analysis to understand the topic and formulate personal judgments about the issue. The course is heavily web-based, with no printed text, and meets for two-hour class periods twice a week.

SCIE 1110. S-FSU Chemistry of Life. 4 hrs.

An introduction to scientific principles, designed to provide an understanding of the chemistry of biological systems. The intent of this course is to foster an appreciation for the chemical nature of life as it relates to health, diagnostics and the treatment of human diseases. It will consist of one two-hour class period and one two-hour activity period peer week. PR: Math ACT score of 19 or higher, SAT 460, COMPASS 36, or MATH 0095.

SOCIAL SCIENCE**(College of Liberal Arts)****SSCI 1199. Special Topics in Social Science. 1-12 hrs.**

Studies in special selected topics, to be determined by the instructor and approved by the School's chairperson. Credits earned will be applicable as free electives in degree and certificate programs.

SSCI 1101. Introduction to Intelligence Research. 3 hrs.

This course will integrate lecture and applications designed to develop basic skills in writing, research, analytical and presentation skills. The course will include lectures, discussions and computer and research design projects.

SSCI 2200. Field Experience in IRA. 3 hrs.

A supervised professional study conducted in the Intelligence Research and Analysis field setting. PR: instructor's consent.

SSCI 4431. Methods and Materials of Teaching Social Studies. 3 hrs.

A survey of theory and practice in secondary school social studies. Students participate in laboratory exercises using various techniques of

social studies teaching. Each student is also required to plan and teach at least one micro-unit. Fall semester only. PR Successful completion of PPST PRAXIS Test.

SSCI 4450. Intelligence Research and Analysis Senior Seminar / Project. 3 hrs.

A capstone course which requires students to explore in-depth case studies related to intelligence research and analysis in the areas of national security, law enforcement, industrial security, and cyber-security. Students will be required to collect information, assess vulnerabilities, develop sources, analyze data, write reports, maintain case files, prepare and give oral briefings and defend recommended courses of action. Students will be supervised in the performance of a directed research project in conjunction with field work at a sponsoring agency. The objective will be an individual project which leads to a publishable intelligence product, enhances intelligence skills or provides a unique service to a project mentor or organization. Student performance will be evaluated by a committee of faculty members. Input regarding the student's performance will be invited and encouraged from the sponsoring agency. PR: senior standing or instructor's consent.

SSCI 4498. Interdisciplinary Seminar. 3 hrs.

Identification and synthesis of major concepts in the fields of geography, history, political science, psychology, sociology and economics. No prerequisites for History Majors. PR for teaching degree candidates: HIST 1107, 1108, 1111, 1112, 1113, 3302, 3319, 3341; GEOG 2210; POLI 1103; SOCY 1110, 3301; ECON 2200 and/or consent of the instructor. Fall semester only.

SOCIOLOGY**(College of Liberal Arts)****SOCY 1110. S-FSU Introductory Sociology. 3 hrs.**

This course is built around selected sociological concepts and is designed to provide a general understanding of our modern society.

SOCY 1111. S-FSU Introduction to Anthropology. 3 hrs.

This course is a survey of anthropology, covering both pre-historic and traditional peoples and cultures.

SOCY 1199. Special Topics in Sociology. 1-12 hrs.

Studies in special selected topics, to be determined by the instructor and approved by the School's chairperson. Credits will be applicable as free electives in degree and certificate programs.

SOCY 2200. S-FSU Social Problems. 3 hrs.

A study of social stresses and strains in important areas of human relationships. PR: SOCY 1110.

SOCY 2230. Social Psychology. 3 hrs.

A study of social structure and interaction. Students will focus on techniques of leadership and control. PR: SOCY 1110. Recommended: PSYC 101 or EDUC 1302 and 1303. Same course as PSYC 2230.

SOCY 2240. Nonparametric Statistics. 3 hrs.

Introduces the student to the fundamental principles of descriptive and inferential statistics, with an emphasis on the analysis of nominal and ordinal data. These areas include non-parametric tests of significance, scaling, coding, and a discussion of hypothesis construction. This course should be taken during the sophomore year. (Credit in either Political Science or Sociology.) PR is one of the following, with a grade of C or better:

- (a) MATH 1100
- (b) MATH 1107
- (c) MATH 1112
- (d) MATH1115

SOCY 3301. Ethnology. 3 hrs.

A study of human biological and social origins, including human prehistory, race, the origin and nature of culture, social organizations among preliterate peoples, cultural diffusion and culture change. PR: SOCY 1110 or 1111.

SOCY 3310. Sociology of the Family. 3 hrs.

A study of the background, structure and function of the American family, with emphasis placed on the effect of social change upon the family. The meaning of the paired relationship is examined, along with alternatives to marriage and the family. PR: SOCY 1110.

SOCY 3325. Social Stratification. 3 hrs.

The course includes an analysis of social structure and stratification in terms of class, status and power relations in society; students will examine various theories and research findings. PR: SOCY 1110.

SOCY 3340. Juvenile Delinquency. 3 hrs.

A study of what society defines as delinquent behavior and of the young people designated as delinquents. Emphasis will be placed on the causes of delinquency and on the various techniques and methods of prevention, treatment and rehabilitation. PR: SOCY 1110, 2200.

SOCY 3360. Methods of Social Research. 3 hrs.

This course is an introduction to the planning and implementation of social research projects. Students will consider the topics of variables and hypotheses, flowcharts, tables, questionnaires, coding instructions and data sheets, machine processing and survey analysis of the data. PR: SOCY 1110, 2240.

SOCY 3380. Afro-American History and Culture. 3 hrs.

A multi-disciplinary approach to black culture in American life, from African civilization to the American Civil War. (Credit in History or Sociology.) PR: SOCY 1110

SOCY 3381. Blacks in America: 1865 to the Present. 3 hrs.

An in-depth study of the history and culture of African-Americans in the United States, from 1865 to the present. (Credit in History or Sociology.)

SOCY 4410. Industrial Sociology. 3 hrs.

A study of the organization, structure, function and social relationships found in the various areas of industrial activity in American society. The area of industrial relations will receive special emphasis. PR: SOCY 1110.

SOCY 4430. Community Organization. 3 hrs.

A study of the structure and function of various social groupings found in the community. The course is oriented toward the development of community leadership talent. PR: SOCY 1110, 1200.

SOCY 4450. Minority Groups. 3 hrs.

A study of racial and cultural minority groups in the United States, with special emphasis upon understanding the causes of their perseverance and the reason for majority-minority antagonisms. Students will also examine the techniques whereby prejudices are developed and ameliorated. PR: SOCY 1110, 2200.

SOCY 4461. Advanced Methodology. 3 hrs.

This course will critically compare the various stages of social research, such as conceptualization of hypothesis, measurement, experimental design, sampling, data collection, data analysis and data interpretation. Within this format, various special topics will be developed, depending upon the available resources. PR: SOCY 3360 or instructor's consent.

SOCY 4470. Sociological Theory. 3 hrs.

A study of the historical development of modern sociological thought. PR: SOCY 3360.

SOCY 4471. Advanced Sociological Theory: A Critical Review. 3 hrs.

A comparison, contrast and critical examination of certain selected sociological theorists. PR: SOCY 4470 or instructor's consent.

SOCY 4490. Seminar: Sociological Literature. 3 hrs.

A course focusing on original sources and publications not primarily used as texts. PR: SOCY 4470 or instructor's consent.

SOCY 4491. Seminar: Sociological Literature. 1-3 hrs.

A course focusing on original sources and publications not primarily used as texts. PR: SOCY 4470 or instructor's consent.

SOCY 4492. Seminar: Sociological Literature. 1-3 hrs.

A course focusing on original sources and publications not primarily used as texts. PR: SOCY 4470 or instructor's consent.

SOCY 4497. Seminar: Special Problems in Sociology. 3 hrs.

Open only to juniors and seniors majoring in Sociology. Reading and research on subjects suited to the student's needs. PR: SOCY 4470 or instructor's consent.

SOCY 4498. Seminar: Special Problems in Sociology. 1-3 hrs.

Open only to juniors and seniors majoring in Sociology. Reading and research on subjects suited to the student's needs. PR: SOCY 4470 or instructor's consent.

SOCY 4499. Seminar: Special Problems in Sociology. 3 hrs.

Open only to juniors and seniors majoring in Sociology. Reading and research on subjects suited to the student's needs. PR: SOCY 4470 or instructor's consent.

SPANISH**(College of Liberal Arts)****SPAN 1101. S-FSU Elementary Spanish I. 3 hrs.**

Designed for the student with little or no prior experience with Spanish. Students will practice Spanish pronunciation and will learn basic grammar as they develop skills in reading, writing, speaking and comprehension. Students will develop communication skills in situations related to everyday living, both at home and in the workplace. Students with two years or more of high school Spanish should register for SPAN 1102.

SPAN 1102. S-FSU Elementary Spanish II. 3 hrs.

A continuation of Spanish 1101. Students expand their skills and knowledge of grammar while reading, writing, speaking and building a broad vocabulary base. Students will develop communication skills in situations related to everyday living, both at home and in the workplace. PR: SPAN 1101 or equivalent.

SPAN 1199. Special Topics. 3 hrs.

Studies in selected topics, to be determined by the instructor and approved by the chairperson. Credits earned will be applicable as free electives in degree and certificate programs.

SPAN 2200. Language Through Video. 3 hrs.

A video-based course designed to maximize the student's exposure to the target language. Students independently watch *Destinos* and are tested on their comprehension of the material. PR: SPAN 1102.

SPAN 2201. S-FSU Intermediate Spanish I. 3 hrs.

Students integrate the grammar studied with the skills acquired in Spanish 1101 and 1102, and become familiar with more sophisticated grammatical structures. The course will focus on reading, writing, and communication skills in situations related to everyday living, both at home and in the workplace. PR: SPAN 1102 or equivalent. Offered every other semester.

SPAN 2202. S-FSU Intermediate Spanish II. 3 hrs.

Students will review Spanish grammar and augment their vocabularies by the study and discussion of written works (short stories, poems, news articles, and essays). Emphasis is placed on developing the student's conversational skills through class discussion and debate. PR: SPAN 2201 or equivalent.

SPAN 2250. Spanish For the Medical Professions. 3 hrs.

This course is designed to enable the student to effectively manage the fundamentals of medical terminology in Spanish. PR: SPAN 1102. Offered on demand.

SPAN 2251. Spanish For Criminal Justice. 3 hrs.

This course enables the student to effectively manage the fundamentals of law enforcement terminology in Spanish. PR: SPAN 1102. Offered on demand.

SPAN 2252. Spanish For a World Economy. 3 hrs.

This course is designed to enable the student to effectively manage the fundamentals of business terminology in Spanish. PR: SPAN 1102. Offered on demand.

SPAN 3300. Undergraduate Student Exchange. 3-6 hrs.

Any student who participates in an exchange program which is approved by his/her advisor may receive three to six credit hours, depending upon the type of program and its duration. PR: SPAN 1102.

SPAN 3301. Spanish Composition and Conversation I. 3 hrs.

Designed to improve skills in oral and written expression. PR: SPAN 2202.

SPAN 3302. Spanish Composition and Conversation II. 3 hrs.

This course is a continuation of SPAN 3301, with an increasing emphasis on communicative skills relevant to a wide variety of cultural contexts. PR: SPAN 2202.

SPAN 3310. Spanish Civilization and Culture. 3 hrs.

The students will study the history, civilization, and culture of Spain through extensive reading, videos, writing and class discussion. PR: SPAN 3301 or 3302.

SPAN 3320. Latin American Civilization and Culture. 3 hrs.

The students will study the history, civilization, and culture of Latin America through extensive reading, videos, writing and class discussion. PR: SPAN 3301 or 3302. Offered every other semester.

SPAN 3350. History of the Spanish Language. 3 hrs.

This class is an introduction to the historical development of the Spanish lexicon, morphology, and phonology. It is designed for the student with little or no previous background in linguistics. PR: SPAN 3301 or 3302. Offered on demand.

SPAN 4400. Survey of Latin American Literature. 3 hrs.

This class covers the major movements in Latin American literature, from Pre-Colombian times through the present. Students will be exposed to the major genres (poetry, narrative, essay and theater) through extensive reading and will become familiar with the greatest writers of Hispanic literature. PR: SPAN 3301 or 3302. Offered every other year.

SPAN 4401. Survey of Peninsular Literature. 3 hrs.

This class focuses on the major movements in Peninsular literature, from the Spanish Middle Ages through the present. Students will be exposed to the major genres (poetry, narrative, essay and theater) through extensive reading and will become familiar with the greatest writers of Spanish literature. PR: SPAN 3301 or 3302. Offered every other year.

SPAN 4402. Independent Study. 3-6 hrs.

Students may participate in a variety of programs designed to help them attain a higher level of fluency and a greater understanding of Hispanic culture. PR: SPAN 4400 or 4401, and instructor's consent.

SPAN 4418. US Hispanic Cultures & Literature. 3 hrs.

This course studies the history of the Hispanic presence in the US, its influence upon contemporary US culture, society, and economy and the politics of language. Materials studied include newspaper articles, essays, films and plays. PR: SPAN 3310 or 3320. Offered on demand.

SPAN 4431. Methods: Second Language Acquisition in the Classroom. 3 hrs.

Taught in English. In this class, foreign language teaching majors will study the methodology of second language acquisition and its application in the classroom, familiarize themselves with national foreign language instruction standards, design lesson plans, teach mini-lessons, participate in peer evaluation and become familiar with the latest pedagogical technologies available. PR: SPAN 4400 or 4401, and instructor's consent. Offered on demand.

SPEECH COMMUNICATION *(School of Fine Arts)*

SPCH 1100. S-FSU Introduction to Speech Communication. 3 hrs.

Examines the theoretical foundations of speech communication through definitional analysis and examination of communication models, code elements and ethical considerations pertinent to communication in our society. This course provides the opportunity for each student to participate in interpersonal and public speaking presentations to develop his/her skills in interacting with others in both the personal and professional arenas. This course is required of all B.A. and B.S. degree candidates.

SPCH 1103. Listening Skills. 1 hr.

This course focuses on the foundation techniques – behavioral, attitudinal and cognitive – which are used in effective listening. The course will also examine what is known about listening. Exercises designed to improve listening techniques and skill are included.

SPCH 1105. Voice & Diction. 3 hrs.

This course covers the theory and practice of speech science, provides the basic information necessary for further speech and drama study and helps students improve their speaking skills. Open to speech communication and theatre students and music students only. Fall semester only.

SPCH 1171. Mass Communication. 3 hrs.

This course is a survey of the mass communication industry and its role in today's society. Students will discuss historical developments and current responsibilities of those working in the various areas of mass communication. Special emphasis will be given to the ever-changing nature of mass communication, including the computer and Internet as new tools. Fall semester only.

SPCH 1199. Special Topics in Speech Communication. 1-12 hrs.

Studies in special selected topics, to be determined by the instructor and approved by the School's Dean. Credits earned will be applicable as free electives in degree and certificate programs. Maximum credit allowed is 3 hours per semester, up to 12 hours total.

SPCH 2215. Nonverbal Communication. 3 hrs.

This course examines the nonverbal components of speech communication. Concepts of the human body as a message carrier and the message characteristics of space, time, artifacts and voice will be discussed. In addition, students will research the functions of nonverbal communication as it affects relational interaction. Spring semester only. PR: SPCH 1100.

SPCH 2219. Language in Communication. 3 hrs.

A study of verbal coding for communication, this course focuses on the function of language in oral communication, theories of oral language acquisition and behavior and the special problems involved

in oral language coding for audiences. Spring semester only. PR: SPCH 1100.

SPCH 2231. Small Group Communication. 3 hrs.

A study of communication in a small-group context, with emphasis on the processes of role emergence and decision-making in a task-oriented group. Group cohesiveness, roles, group acculturation, leadership emergence and the small group in organizations are among the topics studied. Spring semester only. PR: SPCH 1100.

SPCH 2235. Interpersonal Communication. 3 hrs.

A study of communication in dyadic settings, with an emphasis on increasing understanding of the theories, concepts and principles related to human interaction. Focus is on improving skills in interpersonal communication. Fall semester only. PR: SPCH 1100.

SPCH 2241. Argumentation & Debate. 3 hrs.

A study of the principles of argumentation, logic and reasoning, evidence and decision-making. A practical application of these principles is emphasized through the study of current controversies and oral class debates. Fall semester only. PR: SPCH 1100.

SPCH 2249. Intercollegiate Debate I-IV. 1-4 hrs.

This course provides training for and participation in intercollegiate debate tournaments at colleges and universities throughout the eastern United States. Credit is also given for researching the intercollegiate debate proposition for the current academic year. Maximum credit in any one semester is one hour. Open to freshmen and sophomores. Juniors and seniors, see SPCH 4449. PR: SPCH 2241 or instructor's consent.

SPCH 3337. Persuasive Communication. 3 hrs.

This course is an in-depth study of the speaker, audience and environmental factors influencing the persuasive process. It is designed to give advanced speech communication students training in the preparation, presentation and critical analysis of persuasive speeches. Various delivery styles, including impromptu and extemporaneous, will be used. Fall semester only. PR: SPCH 2241.

SPCH 3345. Oratory. 3 hrs.

This course is the capstone experience for all speech communication majors and minors. Students will study the role of rhetoric/public discourse as an agent of change in a free society, and prepare a persuasive manuscript to be delivered to a public audience. This class prepares students for participation in the M. M. Neely Persuasive Speaking Contest. Spring Semester only. PR: SPCH 3337.

SPCH 3369. Communication in Organizations. 3 hrs.

This course will study the nature of communication in organizations and the skills necessary to communicate effectively in the organizational setting. Students will investigate the organization as a communication system, formal and informal systems, serial communication, networks, alternative communication systems, interpersonal and organizational communication skills and communication problems and strategies in organizations. Spring semester only, in even years. PR: SPCH 1100.

SPCH 4431. Methods and Materials in Teaching Speech Communication and Theatre. 3 hrs.

This course covers the philosophy, methods, and materials of teaching speech communication and theatre, as well as directing the speech communication and theatre co-curricular and extra-curricular activities in the secondary schools. Fulfills Professional Block requirement for those with a single teaching field in oral communication. Fall semester only.

SPCH 4449. Intercollegiate Debate I-IV. 1-4 hrs.

This course provides training for and participation in intercollegiate debate tournaments at colleges and universities throughout the eastern United States. Credit is also given for researching the intercollegiate debate proposition for the current academic year. Maximum credit in any one semester is one hour. Open to juniors and seniors. Freshmen and sophomores see SPCH 2249. PR: SPCH 2241 or instructor's consent.

SPCH 4491. Directed Study in Speech Communication. 1-4 hrs.

The student may elect directed study in any area of speech communication which is not treated in the speech course offerings. Coursework is designed by the student and selected faculty, with approval of the School's Dean. Maximum credit earned in any one semester is one credit hour. PR: Instructor's consent.

SPCH 4499. Seminar in Communication Issues. 3 hrs.

This course is designed to provide extensive knowledge and background in a selected communication issue (ethics) or skill (listening). Fall semester (Ethics in odd years, Listening in even years).

TECHNOLOGY

(College of Science and Technology)

TECH 1100. Technology and Society. 3 hrs.

An analysis of the historical development of man and technology as antecedents of the technological society. Students will interact with the domains of technology through problem-solving applications of engineering problems.

TECH 1101. 5-FSU Introduction to Technology. 3 hrs.

This course is intended as a survey of the discipline of technology. The goal of the course is to foster some measure of technological literacy and an understanding of the uniqueness of technology in human endeavors. Instruction will consist of lectures, media presentations, discussions, field trips and class activities.

TECH 1104. Technology Design & Problem Solving. 3 hrs.

This course provides incoming students with the prerequisite knowledge and skills for required technology systems classes that follow. Students will study the philosophy, rationale, and current curriculum trends in Technology Education. The course will also focus on basic design and drafting techniques, laboratory and machine tool safety practices and design and problem-solving processes used in technological career fields. Class methodology will include both lecture and applied experiences with tools, equipment and processes of technology.

TECH 1150. Control Technology. 3 hrs.

This course addresses the mechanical, fluid, electrical, electronic and computer instrumentation used to regulate technical products and systems. Students will develop knowledge and skills of common control-related components/devices and apply them to the solution of practical problems found in typical technology-education settings. CR: TECH 1104.

TECH 1199. Special Topics. 1-3 hrs.

A study of special topics of educational, technical, or industrial concern. PR: instructor's consent.

TECH 2202. Transportation I. 4 hrs.

A study of the means by which mass is moved from one point to another. This will be achieved by studying the propulsion, guidance, control, suspension, structure and support elements of a wide variety of transportation subsystems. PR: TECH 1104.

TECH 2203. Manufacturing I. 4 hrs.

This course deals with an introduction to the inputs, processes and outputs of the manufacturing system. The methodology of the course will involve students with selected research, development and production processes of the manufacturing system. More specifically, each student will design and engineer a middle school- or high school-level product. They will then perform selected production planning, plant engineering, and quality control activities to prepare their product for mass-production. The results of these activities will be developed into camera-ready copy production packets. Finally, each student will set up a production line for the class to mass-produce a limited number of their products, using jigs, fixtures, and/or other mass-production related tooling. PR: MANF 1100, TECH 1104.

TECH 2204. Construction I. 4 hrs.

This introductory course in construction is designed to acquaint students with the impacts of construction on society, basic concepts of architectural design, construction accoutrements (materials, tools and equipment), specifications and contracts, and processes involved in residential construction. Students will complete an historic timeline of construction and will deliver an oral presentation on a specific residential construction topic. Students will perform several traditional construction activities such as materials testing, card structures, and building a residential model. PR: TECH 1104, MANF 1100.

TECH 2250. History of Technology. 3 hrs.

A survey course from prehistorical tool-making to atomic energy and computers in the twentieth century. Credit in History or Technical Education.

TECH 2290. Engineering Analysis I. 4 hrs.

This course covers technical problem solutions, utilizing analytical geometry and calculus. Topics include curvilinear motion, related rates, curve sketching, maximal and minimal problems, areas, volumes, centroids and moments of inertia by integration. PR: Sophomore standing. MATH 1102 with a grade of C or better or MATH ACT 25.

TECH 2299. Special Topics. 1-3 hrs.

A study of special topics of educational, technical, or industrial concern. PR: instructor's consent.

TECH 3300. Engineering Analysis II. 4 hrs.

A continuation of the study of problem-solving procedures, utilizing calculus. Topics include transcendental functions, partial derivative, double integration, methods of curve fitting, series expansion and differential equations. PR: TECH 2290 or MATH 1185, or MATH 1190 with a grade of C or better.

TECH 3301. Communication. 4 hrs.

This is a study of the technical means by which humans communicate. The emphasis will be on electronic and graphic forms of communication. The social/cultural aspects of communication will be studied, as well as the technical components. The course is designed for prospective junior and senior high school industrial arts teachers, and will be focused on general education. PR: INFO 1100, TECH 1104.

TECH 3302. Manufacturing II. 4 hrs.

This course deals with the analysis of the inputs, processes and outputs of the manufacturing system. The methodology of this class is to simulate the organization and operation of a manufacturing corporation. Students will elect a board of directors and a company president and will organize departments in research and development, industrial relations, finance, production and marketing. The class will design and engineer a college-level product, plan for mass-production, finance the production through common stock sales or other financial means, mass-produce the product, and market it in the school or local community. PR: TECH 2203.

TECH 3303. Transportation II. 4 hrs.

A study of the means by which mass is moved from one point to another. This will be achieved by studying the environments system elements, and social/cultural aspects of the transportation system. The course is designed for prospective junior and senior high school industrial arts teachers, and will be focused on general education. Technology Education Single Teaching Emphasis students only. PR: TECH 2202.

TECH 3304. Construction II. 4 hrs.

This course deals with an analysis of the inputs, processes, and outputs of the construction system. The methodology of this course will involve selected structural design and analysis, and structural production processes which are used by humans to construct building structures, non-building structures (bridges, tunnels, dams, etc.) and transportation structures/surfaces. This course is designed to provide teacher education majors with an overall view of the construction system that can be applied to middle school and high school classroom situations. The primary methodology in this course is structural model building and

testing. Technology Education Single Teaching Emphasis students only. PR: TECH 2204.

TECH 3310. Man and Technology. 3 hrs.

A historical study of humans and technology as a basis for the development of contemporary philosophical systems. PR: Junior standing.

TECH 3331. Organization and Administration of Technology Education. 4 hrs.

This course is designed to prepare the pre-service technology education teacher to effectively organize and manage a technology education classroom and laboratory. Emphasis is placed on safety system design, discipline planning, laboratory organization and management, requisitioning/supplies/equipment, machine maintenance and facility design. Also included are topics relating to curriculum trends, Technology Student Association (TSA) and public relations. PR: TECH 3302, and 3304.

TECH 3393. Future Global Crises. 3 hrs.

A team-taught, multi-disciplinary study of potential developments in the world. Areas of concentration are subject to students' choice. (Credit also available in Political Science or Psychology) PR: Junior standing.

TECH 3399. Special Topics. 1-3 hrs.

A study of special topics of educational, technical or industrial concern. PR: instructor's consent.

TECH 4400. Work Experience Seminar. 4 hrs.

A functional analysis of industrial organization and management, and the implementation of these concepts toward the initiation of a new industry. PR: Sophomore standing as a Technology major or instructor's consent.

TECH 4401. Work Experience Laboratory. 8 hrs.

Professional work experience, including employer evaluation.

TECH 4431. Methods and Materials for Teaching Technology Education. 3 hrs.

This course is designed to prepare the pre-service technology education teacher to effectively teach the range of students in grades five through twelve in the public schools. Emphasis is placed on designing a unit of instruction in one of the four technology education system areas. The primary assignment is the preparation of a unit of study that will include the following topics: a rationale, course/unit planning, lesson planning, instructional objectives, instructional strategies and student evaluation/grading. PR: TECH 3301 and 3303. CR: TECH 3331.

TECH 4499. Special Topics. 1-3 hrs.

A study of special topics of educational, technical, or industrial concern. PR: instructor's consent.

THEATRE**(School of Fine Arts)****THEA 1105. Voice and Diction. 3 hrs.**

This course covers the theory and practice of speech science, provides the basic information necessary for further speech and drama study and helps students improve their speaking skills and voice. Speech Communication and Theatre students and Music students only. Fall semester only.

THEA 1110. Introduction to Theatre. 3 hrs.

This course provides an overview of the purposes and organization of the theatre and allied areas and the functions of all of the jobs related to a theatrical presentation. Students will examine artistic, performer, director, designer, technicians, and "front-of-house" operations and the theatre as a profession, and will learn about professional organizations and securing employment. Fall semester only.

THEA 1114. Body Training and Stage Movement. 3 hrs.

Care, control and use of the body as an instrument basic to performance (acting, singing, dancing). Spring semester only.

THEA 1120. S-FSU Theatre Appreciation. 3 hrs.

A general theatre course that serves as an introduction to traditional and more recent developments in Western and non-Western theatrical practice. Students are encouraged to develop their own perspectives and critical skills by means of studying selected writings of theatre practitioners and critics, and by seeing and evaluating campus theatre productions.

THEA 1140. Theatrical Production. 2 hrs.

Lecture course introducing the student to the principles and techniques of the organization, planning, and execution of technical theatre production, including scenery, properties, lighting, costuming, sound and stage management.

**THEA 1148. S-FSU Theatre Workshop I. 1 hr.
Repeatable up to 4 hrs.**

Students in this course are assigned to Masquers productions and studio theatre productions. Opportunities are provided for experience in all areas of technical theatre, such as scenic construction, properties, lighting, costume and sound crews, depending upon the proficiency of the student. No more than one hour can be earned during a semester. Open to freshmen and sophomores (juniors and seniors, see Theatre 3348).

THEA 1151. Text Analysis. 3 hrs.

This course provides a basic introduction to the processes, techniques and applications of text analysis as they relate to the activities and responsibilities of theatre artists – acting, directing, designing, etc. Spring semester only.

THEA 1160. Technical Theatre Practicum: Costuming I. 1 hr.

Practical experience in varied aspects of costuming through work on Masquers productions or other staged events. Open to freshmen and sophomores. Offered on demand.

THEA 1162. Technical Theatre Practicum: Lighting I. 1 hr.

Practical experience in varied aspects of lighting through work on Masquers productions or other staged events. Open to freshmen and sophomores. Offered on demand.

THEA 1164. Technical Theatre Practicum: Properties I. 1 hr.

Practical experience in varied aspects of properties through work on Masquers productions or other staged events. Open to freshmen and sophomores. Offered on demand.

THEA 1166. Technical Theatre Practicum: Scenic I. 1 hr.

Practical experience in varied aspects of scenic work through work on Masquers productions or other staged events. Open to freshmen and sophomores. Offered on demand.

THEA 1168. Technical Theatre Practicum: Sound I. 1 hr.

Practical experience in varied aspects of sound through work on Masquers productions or other staged events. Open to freshmen and sophomores. Offered on demand.

THEA 1199. Special Topics in Theatre 1-3 hours

Studies in special selected topics, to be determined by the instructor and approved by the School's Dean. Credits earned will be applicable as free electives in degree and certificate programs. Maximum credit per semester: one hour.

THEA 2212. S-FSU Theatrical Makeup. 1 hr.

Fundamentals of the theory and technique of designing and applying theatrical makeup, including laboratory experience and practical experience with Masquers productions and studio theatre productions. Fall semester only, in even years.

THEA 2220. S-FSU Oral Interpretation. 3 hrs.

This course provides an introduction to the study and practice of the principles involved in understanding the meaning of prose, poetry and dramatic literature, and the effective transmission of that meaning to an audience. PR: THEA 1151 or consent of instructor. Spring semester only, in odd years.

THEA 2228. Oral Interpretation Practicum I. 1-4 hrs.

Preparation for and participation in public performances, intercollegiate competitions and festivals in oral interpretation. Maximum credit allowable per semester is one hour. PR: THEA 2220 and instructor's consent.

THEA 2230. S-FSU Acting. 3 hrs.

This course is an introduction to the theory and practice of fundamental acting techniques for the stage. PR: THEA 1151 or consent of instructor. Fall semester only.

THEA 2238. S-FSU Acting Workshop I. 1 hr.

Credit is earned for public performance in faculty-directed Masquers productions. Maximum credit allowable per semester is one credit hour. Open to freshmen and sophomores.

THEA 2244. S-FSU Introduction to Theatrical Design. 3 hrs.

An introduction to the principles of theatrical design, including scenic, lighting and costume design. Spring semester only. PR: THEA 1140 and 1151.

THEA 2251. Playwriting. 3 hrs.

The course explores the theory and practice of the playwright's art, and involves instruction in the craft of playwriting and the creation of original scripts for the theatre. Students will learn how to write for the stage, as opposed to the page. A fully developed short play will be required. PR: THEA 1151, 2230 or consent of instructor. Fall semester only, in odd years.

THEA 2262. Production Practicum I. 1 hr.

Credit is earned for practical experience in varied aspects of technical theatre production, including scenery, lighting, costuming, properties and sound, through work on Masquers productions. Maximum credit allowable per semester is one credit hour. Open to freshmen and sophomores. PR: THEA 1148 or consent of instructor.

THEA 3305. Voice for the Stage. 3 hrs.

This course is a continuation of THEA 1105, with specific emphasis on using the vocal instrument in the interpretation of texts and the creation of characters and dialects. PR: THEA 1105; THEA 1151. Spring semester only, in even years.

THEA 3314. Advanced Theatrical Makeup. 1 hr.

Practice in advanced design and application of theatre makeup, through work on Masquers productions and studio theatre productions. PR: THEA 2212. Spring semester only, in odd years.

THEA 3326. Performance Studies. 3 hrs.

The course explores the theories and practices of approaching performance as a way of knowing. Through theatre exercises and personal discovery, students research, create and perform a solo piece for the stage. PR: THEA 2230. Fall semester only, in even years.

THEA 3330. Advanced Acting. 3 hrs.

This course is a continuation of THEA 2230, with specific emphasis on the exploration and application of twentieth-century acting theories applied to both realistic and non-realistic plays. PR: THEA 2230. Spring semester only, in odd years.

THEA 3336. Directing. 3 hrs.

Principles and techniques of play directing. Special attention is given to directing problems in educational theatre: play selection, budgeting, casting, mounting and staging, public relations and coordination of crafts. PR: THEA 1140 and THEA 2230 and consent. Spring semester only.

THEA 3340. Theatre History I. 3 hrs.

A study of the development of theatre from its beginnings through the Renaissance. PR: THEA 1151 or instructor's consent. Fall semester only, in even years.

THEA 3341. Theatre History II. 3 hrs.

This course is a continuation of THEA 3340, exploring the development of theatre from the Restoration to the present. PR: THEA 1151 or instructor's consent. Spring semester only, in odd years.

THEA 3344. Advanced Theatrical Design. 3 hrs.

This course will involve completed projects in scenic, lighting and costume design. Students will apply theory and introductory techniques and skills presented in the beginning course. Fall semester only, in odd years. PR: THEA 2244.

THEA 3346. Creative Puppetry. 3 hrs.

The course explores the theories and practices of puppetry as an artistic performance and as an educational tool. Projects in this course will include puppet design, construction and performance. Emphasis will be placed on teaching the National Standards in Theatre as well as on ways to use puppets across the curriculum. Fall semester only, in odd years.

THEA 3348. Theatre Workshop II. 1 hrs. Repeatable up to 4 hrs.

Students in this course are assigned to Masquers mainstage and studio theatre productions. Opportunities are provided for experience in all areas of technical work, such as scenic construction, properties, lighting, costume and sound crews, depending upon the proficiency of the student. No more than one hour can be earned per semester. Open to juniors and seniors. (Freshmen and sophomores, see THEA 1148).

THEA 3350. Children's Drama. 3 hrs.

A lecture course providing an introduction to the theories and techniques involved in both creative drama for children and children's theatre. Spring semester only, in even years.

THEA 3352. Creative Drama. 3 hrs.

The course explores the history, theories and practices of playmaking, storytelling, creative drama and theatre-in-education as they are used in educational settings with diverse populations. Projects in this course will also apply drama techniques across the school curriculum. Fall semester only, in even years.

THEA 3354. Theatre Education Practicum. 1 hr.

This course involves the application of theories and techniques of children's theatre, creative dramatics and puppetry under supervision with diverse populations in educational settings. PR: THEA 3346, 3350 and 3352.

THEA 3356. Summer Theatre: Rehearsal and Performance. 1-3 hrs.

Systematic rehearsal and public performance with the Masquers Town & Gown Players. Designed for students who desire concentrated stage training and experience. Roles are dependent upon directors' selection and hours of credit desired. PR: Auditions.

THEA 3358. Summer Theatre: Production and Management. 1-3 hrs.

Experience provided in every phase of theatrical production and some phases of theatre management, in conjunction with the Masquers Town & Gown Players. Experiences include set construction, lighting, costumes, makeup, box office, house management and publicity. Assignments dependent upon hours of credit desired. PR: instructor's consent.

THEA 3360. Technical Theatre Practicum: Costuming II. 1 hr.

Practical experience in varied aspects of costuming through work on Masquers productions or other staged events. Open to juniors and seniors. Offered on demand.

THEA 3362. Technical Theatre Practicum: Lighting II. 1 hr.

Practical experience in varied aspects of lighting through work on Masquers productions or other staged events. Open to juniors and seniors. Offered on demand.

THEA 3364. Technical Theatre Practicum: Properties II. 1 hr.

Practical experience in varied aspects of properties through work on Masquers productions or other staged events. Open to juniors and seniors. Offered on demand.

THEA 3366. Technical Theatre Practicum: Scenic II. 1 hr.

Practical experience in varied aspects of scenic work through work on Masquers productions or other staged events. Open to juniors and seniors. Offered on demand.

THEA 3368. Technical Theatre Practicum: Sound II. 1 hr.

Practical experience in varied aspects of sound through work on Masquers productions or other staged events. Open to juniors and seniors. Offered on demand.

THEA 3375. Development of Dramatic Art. 3 hrs.

Study of the works of major playwrights and critical theorists of Western and non-Western theatre. Fall semester only, in even years.

THEA 3392. Costume History and Design. 3 hrs.

History of wearing apparel and appointment, with emphasis on the Western world. The course begins with the Egyptians and goes up to the present day, and offers an introduction to the principles of costume design. Fall semester only, in odd years. PR: THEA 2244.

THEA 4428. Oral Interpretation Practicum II. 1-4 hrs.

Preparation for and participation in public performances, intercollegiate competitions and festivals in oral interpretation. Maximum allowable credit per semester is one hour. Open to juniors and seniors. (Freshmen and sophomores, see THEA 2228.) PR: THEA 2220 and instructor's consent.

THEA 4432. Acting Workshop II. 1 hr.

Credit is earned for public performance in faculty-directed Masquers productions. Maximum allowable credit per semester is one hour. Open to juniors and seniors.

THEA 4438. Senior Comprehensive Project. 3 hrs.

The course consists of a capstone experience that assesses student understanding of the theories and practices studied and developed throughout the program. A significant production/research project is designed and executed with the guidance of a faculty mentor. PR: senior standing.

THEA 4462. Production Practicum II. 1 hr.

Credit is earned for practical experience in varied aspects of technical theatre production, including scenery, lighting, costuming, properties and sound, through work on Masquers productions or other staged events. Maximum allowable credit per semester is one hour. PR: Junior or Senior standing and THEA 1148 or consent of instructor.

THEA 4480. Theatre Business Management and Promotion. 3 hrs.

Study of theatre management procedures, including responsibilities and practices in business management, box office management and house management and the study of the responsibilities and practices in theatre promotion, including the use of the media. Offered on demand. Spring semester only, in even years.

THEA 4484. Theatre Business Management Practicum. 1 hr.

Practical experience in varied aspects of business management, including box office assignments through work with Masquers and other productions. PR: Instructor's consent.

THEA 4488. Promotion Practicum. 1 hr.

Practical experience in varied aspects of theatrical promotion through work on Masquers productions. PR: Consent of Instructor

THEA 4490. Directed Study in Theatre. 1 hr.

The student selects directed study in any area of theatre which is not treated in the theatre course offerings. Course designed by student and selected faculty, with approval of the School's Dean. PR: Instructor's consent.

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Index

A

Absences 30
Academic Advising Center 31
Academic Common Market 31
Academic Development Center 19
Academic Dishonesty 32
Academic Forgiveness Policy 32
Academic Probation 32
Academic Procedures 30
Academic Skills Development 8
Academic Suspension 32
Accounting 69
 B.S. Degree 69
 Minor 69
 Model Schedule 107
Accreditation 6
ACT 7
Administration and Staff, Directory 174
Admission Requirements 7
Advanced Placement Examination (AP) 8
Advanced Standing 8
Allied Health Administration 92
 B.S. Degree 92
Alumni 19
Apartments 13
Architectural Engineering 59
 A.S. Degree 60
 B.S. Degree 60
Architectural Engineering Technology
 Model Schedule 105
Art 86
 B.A. Degree in Education 87
 Minor 87
 Model Schedule 112
Articulation Policy 11
Assessment of Student Academic Achievement 4
Athletic Policy 22
Attendance 30
Auditing Courses 30
Automobile Regulations 22
Aviation 57
 Aviation Administration Minor 59
 B.S. Degree, Airway Science 58
 B.S. Degree, Aviation Administration 58
 B.S. Degree, Aviation Maintenance Management 59
 Minor 59

B

Behavioral Science 48
 Geography 48

Psychology 48
Sociology 49
Biology 51
 B.A. Degree in Education 51
 B.S. Degree 51
 Minor 51
Biology, Chemistry and Geoscience 50
 Biology 51
 Chemistry 52
 Geology 53
Bookstore 23
Business, General 71
Business, School of
 Accounting 69
 Business Education 70
 Finance 70
 General Business 71
 Hospitality Management 71
 Information Systems 72
 Management 72
 Marketing 73
 Sport Management 73
Business Education 70
 B.A. Degree 70

C

Cafeteria 23
Campus Life 22
Career Services 18
Catalog Policy 4
Chemistry 52
 B.A. Degree in Education 53
 B.S. Degree 52
 Minor 52
Child Development 95
 B.S. Degree 95
 Minor 95
Civil Engineering 61
 A.S. Degree 61
 B.S. Degree 61
Civil Engineering Technology
 Model Schedule 105
Classification of Students 29
CLEP, College Level Examination Program 29
CLEP Examinations 9
Clinical Experience I & II 77
Clubs 20
College-Equivalent Credit 25
Community College, Credit from 11
Community Service Learning 24
COMPASS Tests 8

- Computer Forensics 98
- Minor 98
- Computer Science 56
 - B.S. Degree, Computer Science 56
 - B.S. Degree, Computer Security 56
 - Minor 57
 - Teaching Specialization 57
- Consortium Agreement 10
- Convenience Store 23
- Correspondence Directory 183
- Counseling Service 18
- Courses, Numbering 30
- Credit/No Credit Option 28
- Criminal Justice 42
 - B.S. Degree 43
 - Minor 43
 - Model Schedule 100

D

- Dean's List 29
- Debate 21
- Desired Profile 7
- Directory
 - Academic Schools 176
- Disabilities, Services for Students 4
- Disability Services 18
- Drug-Free Awareness Program 4

E

- Economics Minor 74
- Education, Art and Music 80
 - B.A. Degree, Art 80
 - B.A. Degree, Music 80
- Education, Elementary K-6 78
 - B.A. Degree 78
 - Special Education Specializations 79
- Education, Pre-K Adult 79
 - B.A. Degree 79
- Education, School of
 - B.A. Degree 76
 - Minor 84
 - PRAXIS II 77
 - Programs of Study 78
 - Student Teaching 77
 - Teacher Education, Admission to 76
- Electronics Engineering 62
 - A.S. Degree 62
 - B.S. Degree 62
 - Minor 63
- Electronics Engineering Technology
 - Model Schedule 106
- Engineering Technology 59
 - Architectural Engineering 59
 - Civil Engineering 61
- English 37
 - B.A. Degree 37
 - B.A. Degree in Education 38

- Business and Technical Writing Minor 38
 - Minor 37
 - Model Schedule 101
- English Education
 - Model Schedule 100
- Entrepreneurial Studies
 - Model Schedule 108
- Equal Opportunity Affirmative Action, Policy on 4
- Exercise Science 82
 - B.S. Degree 82
 - Minor 83
 - Model Schedule 111
- Expenses and Financial Aid 12
- Experiential Learning 24

F

- Family and Consumer Sciences 83
 - B.A. Degree in Education 84
 - B.S. Degree 84
 - Minor 84
- Family Educational Rights and Privacy Act 4
- Fashion Design and Merchandising 95
 - B.S. Degree 95
 - Minor 96
- Finance 70
 - B.S. Degree 70
 - Minor 70
 - Model Schedule 108
- Financial Aid 12
 - Financial Aid Refund/Repayment Policy 14
 - Need-Based Aid 13
 - Procedures 14
 - Scholarship Aid 13
- Fine Arts, School of
 - Art 86
 - Graphics/Fine Arts 87
 - Music 88
 - Speech Communication and Theatre 89
- Folklore Studies Minor 39
- Food Court 23
- Food Service 13
- Forensics 21,97
 - B.S. Degree 97
- Forensic Psychology 98
- Forensic Science 97
- Frasure-Singleton Student Legislative Program 24
- French 39
 - B.A. Degree 39
 - B.A. Degree in Education 39
 - Minor 40
 - Model Schedule 101

G

- General Business 71
 - B.S. Degree 71
 - B.S. Degree, Entrepreneurial 71
 - Minor 71

Model Schedule 108
 General Science
 B.A. Degree in Education 54
 Geography 48
 Minor 48
 Geology 53
 Grade Reports 29
 Grading System 28
 Graphics/Fine Arts 87
 B.A. Degree 87
 Graphics Fine Arts
 Model Schedule 112
 Graphics Technology 65
 B.S. Degree 65
 Minor 66
 GRE, Graduate Record Examination 29

H

Health Education 82
 B.A. Degree 82
 Health Science 81
 B.S. Degree 81
 Minor 82
 Model Schedule 111
 Health Service Center 18
 Herndon Legislative Fellows Program 24
 High School Nongraduates, Special Admission 9
 History 43
 B.A. Degree 44
 B.S. Degree 44
 Minor 44
 Model Schedule 102
 Honors, Graduation With 29
 Honors Program 29
 Honor Societies 20
 Hospitality Management 71
 B.S. Degree 71

I

Immunization Requirement 7
 Information Systems 72
 B.S. Degree 72
 Minor 72
 Model Schedule 109
 Intelligence Research Analysis
 Model Schedule 102
 Intelligence Research and Analysis 44,98
 B.A. Degree 45
 Minor 45,98
 Intercollegiate Sports 21
 Interdisciplinary Studies Degree 98
 Interior Design 96
 B.S. Degree 96
 Minor 96
 International Business Minor 74
 International Students 10
 Intramural Sports 21

J

Journalism 40
 B.A. Degree in Education 40
 Minor 41

L

Language and Literature 36
 English 37
 Folklore Studies 39
 French 39
 Journalism 40
 Spanish 41
 Leadership Certification 24
 Liberal Arts, College of 36
 Behavioral Science, Department of 48
 Language and Literature, Department of 36
 Social Science, Department of 42
 Liberal Studies Requirement
 Worksheet 35
 Liberal Studies Requirements 34
 Libraries 19
 Library Science 81
 Minor 81
 Teaching Field 81
 LPN in Associate Degree Program
 Model Schedule 115
 LPN to ADN Tract 94

M

Management 72
 B.S. Degree, Business Management 72
 B.S. Degree, Human Resources 73
 Model Schedule 109,110
 Marketing 73
 B.S. Degree 73
 Model Schedule 110
 Mathematics 54
 B.A. Degree in Education 55
 B.S. Degree 55
 Minor 55
 Teaching Specialization 56
 Mechanical Engineering 63
 A.S. Degree 63
 B.S. Degree 63
 Mechanical Engineering Technology
 Model Schedule 106
 Military Deployment, FS Procedure 15
 Military Science 26
 Military Selective Service Act 5
 Military Service, Academic Credit 29
 Mission Statement 6
 Multicultural Affairs 19
 Music 88
 B.A. Degree in Education 89
 Minor 88
 Model Schedule 113

Music Organizations 21

N

Nonresident Credit 30

Nursing 93

A.S. Degree 94

B.S. Degree 93

Nursing (A.S.)

Model Schedule 115

Nursing (B.S.)

Model Schedule 115

O

Off-Campus Classes 31

Off-Campus Credit 30

Office Administration Minor 74

Oral Communication

B.A. Degree in Education 91

Model Schedule 113

Oral Interpretation 21

Orientation 18

P

Philosophy

Minor 45

Philosophy and Objectives 5

Philosophy Minor 45

Physical Education 83

B.A. Degree in Education 83

Physics, Mathematics and Computer Science 53

Computer Science 56

Mathematics 54

Physics/Physical Science 53

Physics/Physical Science (minor only) 53

B.A. Degree in Education, Physics 54

B.A. Degree in Education, General Science 54

Minor 54

PLT, Principles of Learning Teaching Tests 29

Political Science 45

B.A. Degree 45

International Studies Minor 46

Model Schedule 103

Political Science Minor 46

Public Administration Minor 46

PPST, Pre-professional Skills Test 29

Praxis II Specialty Area Exams 29

Pre-Dental Curriculum 26

Pre-Engineering Curriculum 27

Pre-Journalism Curriculum 27

Pre-Medical Curriculum 26

Pre-Medical Technology Curriculum 26

Pre-Pharmacy Curriculum 26

Pre-Physical Therapy Curriculum 27

Pre-Professional Programs 26

Probation/Suspension Policy 32

Psychology 48

B.S. Degree 48

Forensic Psychology 49

Minor 49

Model Schedule 103

Publications 20

Public Administration Minor 74

Public Affairs Internships 25

Public Speaking 21

Q

Quality Points 28

R

Recreational Leadership 83

Minor 83

Refund Policy 12

Regents Bachelor of Arts Degree Program 25

Religious Organizations 20

Residence Halls 13

Residence Life 22

Resident Classifications 15

Retail Management Minor 74

Room and Board 13

Apartments 13

Food Service 13

Move-in costs 13

Residence Halls 13

S

Safety/Environmental Engineering 64

A.S. Degree 64

B. S. Degree 64

Minor 65

Safety/Environmental Engineering Technology

Model Schedule 106

SAT 7

Scheduling for Classes 30

School Nurse Program 85

Science and Technology, College of

Biology, Chemistry and Geoscience 50

Physics, Mathematics and Computer Science 53

Technology 57

Social Organizations 20

Social Science 42

Criminal Justice 42

History 43

Intelligence Research and Analysis 44

Political Science 45

Social Studies 46

Social Studies 46

B.A. Degree in Education 46

Sociology 49

B.S. Degree 49

Minor 49

Model Schedule 104

- Spanish 41
 - B.A. Degree 41
 - B.A. Degree in Education 41
 - Minor 42
- Spanish Program
 - Model Schedule 104
- Special Admission 9
- Special Examinations 11
- Speech Communication
 - Model Schedule 114
- Speech Communication and Theatre 89
 - Speech Communication B.A. Degree 89
 - Speech Communication Minor 90
 - Theatre, B.A. Degree 90
 - Theatre Minor 90
- Sports Management
 - Model Schedule 111
- Sport Coaching 85
- Sport Management 73
 - B.S. Degree 73
- Student Activities 20
- Student Activity Center 23
- Student Government 20
- Student Services 18
- Student Teaching 77
- Study Abroad Programs 31
- Summer Session 31
- Supplemental Instruction 19

T

- Technology 57
 - Architectural Engineering 59
 - Aviation 57
 - Civil Engineering 61
 - Electronics Engineering 62
 - Graphics 65
 - Mechanical Engineering 63
 - Minor 67
 - Safety/Environmental Engineering 64
 - Technology Education 66,67
- Technology Education 66
 - B.A. Degree 67
 - Model Schedule 107
- Televised Courses 31
- Testing Program 29
- Theatre 21,89
 - B.A. Degree 90
 - Minor 90
 - Model Schedule 114
- Transcripts 29
- Transferring Core Coursework 10
- Transfer Students 10
- Tuition and Fees 12
 - Refund Policy 12
 - Semester Terms 12
 - Special Fees 12
 - Summer Session 12

Tutoring 19

V

Veterans' Policies 15

W

Washington Center Internship Program 25

Women's Studies 96

Minor 96

Correspondence Directory

Fairmont State University
1201 Locust Avenue
Fairmont, West Virginia 26554

Phone (304) 367-4000
West Virginia Toll Free Number (800) 641-5678
Hearing Impaired TDD (304) 367-4200
Homepage: <http://www.fairmontstate.edu>

CORRESPONDENCE SHOULD BE ADDRESSED AS INDICATED BELOW:

Admissions For Admissions, Catalog Requests	Executive Director of Enrollment Services
Administrative and General Policy	President
Alumni Activities	Director of Alumni Relations
Aviation/Aerospace Programs	Robert C. Byrd National Aerospace Education Center Route 3, Box 13 Bridgeport, WV 26330 Phone (304) 842-8300
Curricula, Faculty, Instruction, Summer Sessions	Provost and Vice President for Academic Affairs
Fees	Vice President for Administrative and Fiscal Affairs
Community and Technical College Continuing Education	Provost, Community and Technical College
Services for Students with Disabilities	Coordinator for Students with Disabilities
Housing	Director of Residence Life
Multicultural Affairs	Director of Multicultural Affairs
Publicity	Director of Public Relations
Scholarships, Loan Information	Director of Financial Aid
Section 504, Title IX, ADA Coordinator	Assistant to the President

VISITORS

Visitors are always welcome at Fairmont State University and Fairmont State Community and Technical College. A tour of the campus can be arranged, Monday through Friday at 10:00 a.m and 2:00 p.m., for persons who make an appointment in advance. For additional information contact the Office of Admissions in Hardway Hall at (304) 367-4892.

Notes



Catalog

2005-2006

Fairmont, West Virginia

Volume 4, Number 1

Contents

2004-2006 Academic Calendar	4
Catalog Policy	5
Policy on Equal Opportunity Affirmative Action	5
The Family Educational Rights and Privacy Act	5
Drug-Free Awareness Program	5
Disabilities Services	5
Assessment of Student Academic Achievement	5
Introduction	6
The Mission Statement of the Fairmont State Community & Technical College	7
Admission	8
Expenses and Financial Aid	14
Student Affairs	20
Academic Information and Degree Requirements	26
General Education Requirements	28
Degree Programs	
Administrative Support	39
Applied Design	40
Fashion Design	40
Interior Design	41
Aviation Maintenance Technology	42
Air Frame and Aerospace Electronics Technology	42
Board of Governors	45
Business Technology	45
Accounting	45
General Business	46
Criminal Justice	47
Drafting	48
Early Childhood	48
Emergency Medical Service	51
Folklife Studies	54
Food Service Management	58
Graphics Technology	59
Health Information Technology	60
Homeland Security	60
Aviation Track	61
Criminal Justice Track	61
EMS Track	61
Safety Track	61
Information Systems	62
Interpretes Training Program	62
Liberal Studies	63
Medical Laboratory Technology	64
Para-Education	66
Paralegal Studies	66
Physical Therapist Assistant	67
Veterinary Technology	68
Occupational Development	65
Building & Construction Trades	65
Early Childhood Practitioner	49
Correctional Officer	65
EMS Specialist	52
Fire Fighter	65
Food Service Specialist	65
Technical Studies	68
Automotive Technician	68
Highway Technician	68

Information Systems (WV ExclTe)	68
Water and Waste Water Treatment	68
Wood Production Technology	68
Radiologic Technology	68
Respiratory Technology	68
 Certificate (one year)	
ASL Communication	40
Emergency Medical Technician - Paramedic	52
Laboratory Assistant	63
Paraprofessional in Education	66
 Skill Set	
Accounting	39
Administrative Assistant	39
Ballroom Dance	44
CAD Computer Aided Design	46
Classroom Teacher's Aide	50
Classroom Teaching Assistant	50
Computer Forensics	48
Early Childhood Teacher's Aide	50
Early Childhood Teaching Assistant	50
Intelligence Research & Analysis	48
Office Technology	65
ProMgmt Certificate	57
Serve Safe	58
 Courses of Instruction	70
 Directory	96
Faculty/Emeriti Faculty and Staff	99
 Index	102
Correspondence Directory	102

Academic Calendar 2004-2006

2004 FALL SEMESTER

Monday-Friday, August 16-20.....	Faculty Professional Development Week	Monday-Friday, August 15-19
Sunday, August 22	Residence Halls Open for New Students	Sunday, August 21
Sunday, Monday, Tuesday, August 22, 23, 24.....	Orientation.....	Sunday, Monday, Tuesday, August 21, 22, 23
Monday, August 23.....	Evening Classes (after 4 p.m.) Begin.....	Monday, August 22
Monday, August 23.....	Scheduling for New Students.....	Monday, August 22
Tuesday, August 24	Scheduling for Returning Students.....	Tuesday, August 23
Wednesday, August 25	Daytime Classes Begin	Wednesday, August 24
Monday, September 6	Labor Day, No Classes	Monday, September 5
Friday, October 15	Mid Semester	Friday, October 14
Friday, October 15	Applications for December Graduation Due	Friday, October 14
Mon., Oct. 25 - Thurs., Nov. 18.....	Advanced Scheduling for Spring Semester.....	Mon., Oct. 24 - Thurs., Nov. 17
Monday-Friday, November 22-26.....	Thanksgiving Recess, No Classes.....	Monday-Friday, November 21-25
Monday, November 29.....	Classes Resume, 8 a.m.	Monday, November 28
Friday, December 10.....	Last Day of Classes.....	Friday, December 9
Monday-Friday, December 13-17	Final Exams	Monday-Friday, December 12-16
Saturday, December 18	Commencement	Saturday, December 17

2005 FALL SEMESTER

2005 SPRING SEMESTER

Friday, January 14.....	Residence Halls Open.....	Friday, January 13
Friday, January 14.....	Scheduling/Orientation	Friday, January 13
Monday, January 17	Martin Luther King Day, No Classes	Monday, January 16
Tuesday, January 18.....	Classes Begin	Tuesday, January 17
Friday, March 11	Mid Semester	Friday, March 10
Friday, March 11	Applications for May Graduation Due	Friday, March 10
Monday-Friday, March 14-18.....	Spring Break, No Classes	Monday-Friday, March 13-17
Monday, March 21	Classes Resume, 8 a.m.	Monday, March 20
Friday, March 25	Good Friday, No Classes	
Monday, March 28 - Thursday, April 21.....	Advanced Scheduling for Fall Semester	Monday, March 27 - Thursday, April 20
	Good Friday, No Classes	Friday, March 25
Friday, May 6	Last Day of Classes.....	Friday, May 5
Monday-Friday, May 9-13	Final Exams	Monday-Friday, May 8-12
Saturday, May 14	Commencement	Saturday, May 13

2006 SPRING SEMESTER

2005 FIRST SUMMER SEMESTER

Monday, May 23	Scheduling/Fee Payment/Classes Begin	Monday, May 22
Thursday, May 26.....	Applications for Summer Graduation Due	Thursday, May 25
Monday, May 30	Memorial Day, No Classes.....	Monday, May 29
Thursday, June 23	First Summer Term Ends.....	Thursday, June 22

2006 FIRST SUMMER SEMESTER

2005 SECOND SUMMER SEMESTER

Monday, June 27	Scheduling/Fee Payment/Classes Begin	Monday, June 26
Monday, July 4	Independence Day, No Classes	Tuesday, July 4
Thursday, July 28.....	Second Summer Term Ends.....	Thursday, July 27

2006 SECOND SUMMER SEMESTER

CATALOG POLICY

It is the responsibility of students to be knowledgeable of official college policies and to meet all requirements in the Catalog. It provides the best possible current information on practices and intentions of the College. The College reserves the right to change provisions or requirements at any time to reflect curricular changes and administrative regulations and procedures. The Catalog is not considered a binding contract between the student and the College. It is for informational purposes only.

Students should keep informed of current degree, curriculum, and course requirements. The academic advisors and appropriate administrative offices of the College may be consulted for further information.

A student who enrolls at Fairmont State Community & Technical College shall follow the provisions of the catalog in use at the time of admission or any subsequent catalog, providing all of the subsequent catalog is adopted. Transfer students will use the catalog current at the time of their admission to the previous institution, provided that the graduation date would not be more than seven years from the date of first enrollment in college.

Students who have interrupted their schooling for more than one year will become subject to the provisions of the current catalog.

POLICY ON EQUAL OPPORTUNITY AFFIRMATIVE ACTION

Fairmont State Community & Technical College is an Equal Opportunity-Affirmative Action institution. In compliance with Title VI of the Civil Rights Act of 1964, Title VII of the Civil Rights Act, West Virginia Human Rights Act, Title IX (Educational Amendments of 1972), Section 504 of the Rehabilitation Act of 1973, the Americans with Disabilities Act of 1990, and the other applicable laws and regulations, the College provides equal opportunity to all prospective and current members of the student body, faculty, and staff on the basis of individual qualifications and merit without regard to race, sex, religion, age, national origin, disability, or sexual orientation as identified and defined by law.

The College neither affiliates knowingly with nor grants recognition to any individual, group or organization having policies that discriminate on the basis of race, color, age, religion, sex, national origin, disability, or sexual orientation as defined by applicable laws and regulations. Further inquiries may be directed to the Director of Affirmative Action who is the Section 504, Title IX, and ADA Coordinator, Room 224 Hardway Hall, telephone 304 367-4247.

THE FAMILY EDUCATIONAL RIGHTS AND PRIVACY ACT

The Family Educational Rights and Privacy Act of 1974 provides students with the right to inspect and review information contained in their education records, to challenge the contents of their education records, to have a hearing if the outcome of the challenge is unsatisfactory and to submit explanatory statements for inclusion in their files if they feel the decisions of the hearing panels to be unacceptable. Students wishing to review their education records must contact the campus official in charge of the office in which the record is located. Students may not inspect records to which they have waived their rights

of inspection and review.

Within the Fairmont State Community & Technical College community, only those members, individually or collectively, acting in the student's educational interest are allowed access to student education records. These members include personnel in the Offices of Admissions and Records, Student Services, Financial Aid, Business Office, academic divisions, academic advisors and athletic departments.

At its discretion the institution may provide Directory Information in accordance with the provisions of the Act to include: student name, address, telephone number, date and place of birth, major field of study, dates of attendance, degrees and awards received, the most recent previous educational agency or institution attended by the student, participation in officially recognized activities and sports, and weight and height of members of athletic teams. Students may withhold Directory Information by notifying the Registrar's Office in writing.

The College may disclose academic information to parents of students by having parents establish the student's dependency as defined by the Internal Revenue Code of 1954, Section 152. Dependency status may be established by the presentation of a certified copy of the parents' most recent federal income tax form listing the student as a dependent.

DRUG-FREE AWARENESS PROGRAM

In compliance with the Drug-Free Workplace Act of 1988 and the Drug-Free Schools and Communities Act Amendments of 1989, Fairmont State Community & Technical College has a Drug-Free Awareness Program designed to prevent the unlawful possession, use, or distribution of illicit drugs and alcohol by students and employees. Further inquiries may be directed to the Assistant to the President or the Vice President for Student Affairs.

DISABILITY SERVICES

As required by Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990, certain accommodations are provided for those students whose disability may affect their pursuit of a college education. These students must contact the Coordinator for Disability Services, who is located in Student Affairs, if these services are desired. The Associate Provost is notified of the required academic accommodations and apprises advisors and instructors of this information each semester. Priority scheduling procedures have been established for students with disabilities. Students should contact their advisor for priority class preregistration. For additional information refer to the brochure "Disability Services" available in Student Affairs.

ASSESSMENT OF STUDENT ACADEMIC ACHIEVEMENT

Fairmont State Community & Technical College is committed to providing quality educational opportunities and experiences for every student. While grades are one measure of student performance, grades do not provide the institution with the necessary data to ascertain the areas of the curriculum that are strong and areas that need improvement. Therefore, students attending Fairmont State Community & Technical College are required to participate in periodic assessment activities as directed by the

College. Student assessment will normally occur at two critical times in the student's college career, 1) upon entering the institution for course placement and for gathering baseline data, 2) and prior to graduation. Assessment data may be collected at additional times at the discretion of the institution. The purpose of gathering assessment data is to monitor the quality of the academic programs and to improve, when necessary, the educational experience of students.

COMPLIANCE WITH MILITARY SELECTIVE SERVICE ACT

State law provides that a male person who has attained the age of eighteen (18) years may not enroll in a state-supported institution of postsecondary education unless he is in compliance with the Military Selective Service Act (50 U.S. Code, Appendix 451, et seq. and the amendments thereto). Also, a male person may not receive a loan, grant, scholarship or other financial assistance for postsecondary higher education funded by state revenue, including federal funds or gifts and grants accepted by this State, or receive a student loan guaranteed by the State unless he is in compliance with the Military Selective Service Act. Selective Service Act registration information should be available at all U.S. Postal Service facilities and may be available at some high schools. The Selective Service System also provides information through a web site at <http://www.sss.gov>.

Introduction

THE COLLEGE

Fairmont State consists of Fairmont State Community and Technical College and Fairmont State University. Both institutions share the same campus facilities and students have access to all the services both institutions have to offer. Since both institutions share the same facilities, FSC&TC students benefit by having access to a brand new parking garage and a new residence hall. Opening in Spring 2005 will be the new Student Activity Center housing dining facilities, a bookstore, fitness center, meeting rooms, swimming pool and many other facilities that make living away from home a little bit easier.

In 1993 the College dedicated a new Education, Home Economics, and Health Careers building located on the main campus and the Robert C. Byrd National Aerospace Education Center in Bridgeport, a 40,000 square foot structure designed to provide programs essential to the aviation industry. In the fall of 1999, the College opened its new Gaston Caperton Center in downtown Clarksburg, a 36,000 square foot facility with classrooms, natural science laboratories, computer labs, conferencing areas, and a multipurpose room. In addition, the College opened a 7,000 square foot facility at the I-79 Technology Park, which houses computer labs and training facilities to accommodate regional workforce development needs in information technology and other areas.

The College has made a significant investment to upgrade and maintain its technology equipment, software, and infrastructure. Campus buildings are interconnected by fiber optic cabling with Internet access available in all classrooms, offices, labs, and residence halls. Also, a wide area network connects the Gaston Caperton Center, the Robert C. Byrd National Aerospace

Education Center, and the I-79 Technology Park facility with the main campus.

Academic excellence and personal growth and fulfillment, the principal purposes of the Colleges, are complemented by active fine arts, publications and sports programs. Year-round contemporary film, lecture and music series are important parts of the social and cultural calendar.

The Colleges' 90-acre campus with its twelve major buildings is attractively located on a hill overlooking Locust Avenue, Route 19, in Fairmont, West Virginia. Approximately ninety miles south of Pittsburgh on Interstate 79, Fairmont, with a population of about 20,000, is the county seat of Marion County.

FAIRMONT STATE COMMUNITY AND TECHNICAL COLLEGE

In the fall of 1974, Fairmont State was on the threshold of an exciting new venture with the creation of the Community College as a unit of the parent institution. Having a community college on the campus of an established four-year institution has proved to be mutually reinforcing and supportive and has broadened the educational opportunities available to students.

Seen in historical perspective, the community college concept is an extension and the logical conclusion of the College's traditional goals, which include broadening the base of participation in a democracy of intellect and giving everyone access to post-secondary education. This concept makes it possible for students to fulfill their potential, achieve their aspirations, and advance their education to the limits of their ability.

Fairmont State Community and Technical College, a comprehensive community college, provides academic, technical/occupational, and general education programs of two years duration, one-year certificates, developmental skills courses, continuing education courses, community service programs, and workforce development and training. The result has been a sharp increase in the number of nontraditional students who have returned to formal education for reasons of job obsolescence, to start new careers, or wishing to achieve upward social mobility along a career ladder. The Community and Technical College takes pride in the diversity of its programs and its commitment to making learning a lifelong process for all age groups on a full-time and part-time student basis.

The college parallel or transfer program is composed of the first two years of a traditional liberal arts baccalaureate college education. Associate degree credit may be applied without loss of credit to a four-year baccalaureate degree program. Community college courses are full-fledged college level credit and therefore transferable to baccalaureate level programs. The quality of instruction is identical for two-year and four-year degrees and many two-year programs articulate directly into a corresponding baccalaureate program.

Students enrolled in Fairmont State Community and Technical College maintain all rights, privileges, responsibilities, and the same use of campus facilities and social and academic resources as those enrolled in four-year degree programs.

Fairmont State Community and Technical College provides services to the counties of Barbour, Braxton, Calhoun, Doddridge, Gilmer, Harrison, Lewis, Marion, Monongalia, Preston, Randolph, Taylor, and Upshur. It is guided through the advice of the FSC & TC Advisory Board composed of citizens from throughout Central and North-Central WV who recommends action to meet the needs of its citizens, business and industry by providing a well-trained and educated workforce. It works to

match labor market information with academic programs, clarifies and coordinates the common ground between secondary and post-secondary education, and establishes one-stop clearing centers for information, career training and employment.

MISSION STATEMENT

The mission of Fairmont State Community and Technical College is to enhance the quality of life for people of north-central West Virginia through accessible, affordable, comprehensive, responsive, workforce-related training, and quality higher education opportunities.

To fulfill this mission, Fairmont State Community and Technical College will:

- Provide a comprehensive selection of career/technical educational opportunities at the certificate and associate degree levels developed through interaction with employers, employees, and college personnel
- Offer transfer education opportunities enabling students to acquire an affordable general education background before matriculating to the college or university of choice
- Provide opportunities for seamless transition from certificates to associate and baccalaureate degrees
- Make available developmental educational opportunities to students who need assistance in improving academic skills to be successful in higher education
- Develop and deliver continuing and community educational opportunities throughout north-central West Virginia such as lifelong learning opportunities, occupational recertification programs, and higher education opportunities for students enrolled in secondary schools
- Provide workforce training and economic development activities for the citizens of north-central West Virginia based on needs of the community and region
- Focus on development of cognitive, affective, and psychomotor skills to foster individual growth, career development, responsible citizenship, and commitment to lifelong learning

The College concentrates its energies and resources on its students, many of whom are the first generation of their families to attend college, adults, returning to college or enrolling in higher education for the first time, and transfer students from community and technical colleges. The College, therefore, offers its diverse student body a wide range of programs, flexible scheduling, and support services, all designed to foster success in the modern world. To strengthen intellectual development, all students pursuing a degree at Fairmont State Community & Technical College are engaged in a general education program, a body of course work designed to expand their knowledge of civilization, society, scientific inquiry, and artistic expression while preparing them to think interrelationships among disciplines and prepare for a lifetime of learning.

The College is committed to student learning and focuses its resources on programs that prepare students for careers and advanced education in West Virginia and beyond. Fairmont State Community & Technical College provides a broad spectrum of degree options in business and offers programs with specialized accreditation in engineering technology and health careers. As a multipurpose institution, Fairmont State Community & Technical College provides seamless transitions from public schools or certificate programs or associate degrees to baccalaureate degrees.

Fairmont State Community & Technical College is closely identified with its community. Partnerships with business and industry, public schools, government agencies and other organizations contribute to the economic programs, the College fosters enlightened and productive citizenship in its immediate location, the region and the world.

PHILOSOPHY AND OBJECTIVES

Fairmont State Community & Technical College, an undergraduate institution operating under the authority of the Fairmont State Board of Governors, is governed by its president with the aid and advice of its Board of Governors, administrators, Faculty Assembly, and Student Government.

The College offers programs of career-technical education and grants a one-year certificate and the degrees of Associate in Arts, Associate in Science, or Associate in Applied Science after two years of study.

Fairmont State Community & Technical College considers that its broad objective is to educate its students as intelligent and productive persons, capable of participating in and understanding the world of the twenty-first century. Accordingly, the College seeks to provide a suitable environment for free and responsible inquiry into the nature, sources and implications of human knowledge and culture; and it challenges students to promote their own intellectual, social and personal development.

The College faculty serves this objective by guiding students in acquiring knowledge and by maintaining a dialogue with them. The College fully supports the ideal of a well-educated society and upholds the academic freedom of its faculty and students, confident that the best interests of the community are served when the search for truth is imaginative and vigorous.

The College follows a liberal policy of student admissions and believes that it can help highly-motivated students to overcome many deficiencies in their academic preparation. Because academic standards are high, the Fairmont State Community & Technical College degree represents a level of achievement respected throughout the nation.

Drawing many students from its immediate vicinity, the College welcomes the enthusiastic support it receives from Fairmont and surrounding areas. In return it participates actively in community projects, shares its programs and facilities with the public and serves the community as a center of information and culture.

Specifically, the mission of Fairmont State Community & Technical College is to provide programs needed by those in its geographic service area to the extent permitted by its financial and human resources and its assigned role in the State's system of public higher education. This mission is accomplished by meeting these objectives:

- Providing, through an administratively-linked Community and Technical College, a variety of vocational/occupational programs of two years duration or less.
- Providing opportunities for occupationally oriented study through expansion of existing industrial technology programs and the development of additional career-related curricula.
- Bringing selected college study opportunities into communities in the College's service region through the use of the mass media, regional educational centers, external degree programs and other forms of nontraditional study.

- Encouraging a broad segment of the populace, including various age groups and the economically deprived, to avail themselves of educational opportunities.
- Serving the greatest number of students by holding College costs at the lowest possible level and providing financial support to those who need it to gain equal access to higher education.
- Relating the breadth of the curriculum to the availability of appropriate employment opportunities and the needs of business, industrial and public service agencies in the College's service area.
- Offering continuing education programs to provide career updating, cultural enrichment and personal skill development.
- Providing advisory, counseling and placement services to enable students to make satisfactory decisions about academic and personal problems and to make successful career and employment choices.
- Offering a variety of cultural, recreational, and social activities to complement academic pursuits.

ACCREDITATION

Of great importance to the reputation of a college is how it ranks scholastically with other colleges. Accreditation means that a college has been carefully evaluated and approved in its governance, in each curriculum, in the quality of its faculty, in the adequacy of facilities, library, equipment, and laboratories.

To assure its stature and academic excellence, a college obtains accreditation from both regional and national agencies and joins certain accrediting organizations.

Fairmont State Community & Technical College is accredited by the Higher Learning Commission, the North Central Association, 30 North LaSalle Street, Suite 2400, Chicago, Illinois 60602-2504, (800) 621-7440.

Selected programs of Technology are accredited by the Technology Accreditation Commission of the Accreditation Board for Engineering and Technology, 111 Market Place, Suite 1050, Baltimore, MD 21202-4012, (410) 347-7700. The A.A.S. degree in Aviation Maintenance Technology is approved by the Federal Aviation Administration and meets 15 requirements of Federal Aviation Regulation 147. Food Service programs are accredited by American Culinary Federation. Two programs are recognized by the National Restaurant Association.

Health Career programs are accredited by their respective accrediting agencies. The Medical Laboratory Technology program is accredited by the National Accreditation Agency for Clinical Laboratory Sciences; the Health Information Technology program is accredited by the Commission on Accreditation of Allied Health Education Programs; the Veterinary Technology program is accredited by the Veterinary Medical Association; and the Physical Therapist Assistant program is accredited by the Commission on Accreditation in Physical Therapy Education of the American Physical Therapy Association.

Fairmont State is also a member of the American Association of State Colleges and Universities, American Council on Education, American Library Association, West Virginia Library Association, West Virginia Press Association, and American Association of Community Colleges.

Admission

OPEN ADMISSIONS PHILOSOPHY

Fairmont State Community and Technical College operates an "open door" admission policy. Admission is open to anyone with a high school diploma or GED or ACT/SAT score or Compass test score. Even without a high school diploma, individuals may enroll in many of the Community and Technical College's continuing education courses, as a special student. This "open door," however, does not guarantee an education to everyone, but it does make it possible for everyone to enter the College and to have the opportunity to pursue programs in higher education to the limit of their ability and particular potential.

Eligibility to enroll in the Community and Technical College does not necessarily imply eligibility to enter all its degree programs, several of which may be competitive and limited in the number of students admitted.

Since the Health Career fields are selective programs with limited enrollment, applicants should complete the ACT or SAT early and have their high school transcripts forwarded early in the fall. To insure consideration, students are required to make early application with test scores and transcripts. Students applying for scholarships should have the transcripts forwarded at the conclusion of the first semester of the senior year.

A minimum of 2.0 (C) grade average for all courses attempted and for all courses in the area of specialization is required for graduation with an associate degree or a one year certificate. Students also must have completed at least 15 credit hours of the total hours required in an associate degree or 8 credit hours of the total required in a certificate program.

GENERAL ADMISSION PROCEDURE

Students seeking admission to Fairmont State Community & Technical College must file an application for admission. Applications and supporting credentials must be on file at least two weeks prior to the opening of a semester or term. All credentials submitted in support of an application for admission become the property of the College and will not be returned to the student. Any student admitted upon the basis of false credentials will be subject to immediate dismissal from college.

Students who fail to register during the semester or term for which they have been admitted must file another application in order to gain admission at a later date. Separate applications for residence halls must be submitted to the Office of Residence Life.

Any change in local address of any student at Fairmont State Community & Technical College must be reported to the Registrar.

ASSOCIATE DEGREE AND CERTIFICATE PROGRAMS: DEGREE-SEEKING ADMISSIONS REQUIREMENTS

First-Time Freshman:

- 1.) Application for Admission
- 2.) High School Transcript (Partial or Complete)

-or-

GED (for home schooled students or for students who don't have a high school diploma). Students who do not

have a high school diploma or a GED are admissible if testing shows that they have an ability to benefit.

-or-

Test Scores (Students who have completed the ACT with an English sub-test score of 18 or higher and a Math sub-test score of 19 or higher will not be required to take placement exams. Students who have SAT scores of 450 or higher in English and 460 or higher in Math will not be required to take placement exams. (ACT/SAT Tests with specific scores may be required to certain programs; please refer to the catalog for details)

3.) Immunization Records (if born after January 1, 1957)

4.) Statement of Activities (for students out of high school six months or longer)

Transfers

1.) Application for Admission

2.) College Transcripts (from an accredited institution(s); if there are fewer than 16 earned credit hours, a high school transcript or GED and ACT, SAT, COMPASS, or other approved institutional test scores are also required. ACT/ SAT with specific scores may be the required test for specific programs; please refer to the catalog for details.)

Probation

Students who are on probation from another institution or FSC with lower than a 2.0 GPA must submit a high school transcript or a GED and ACT, SAT, COMPASS, and will be admitted on probation.

Suspension

FSC&TC will evaluate on a case by case basis petitions from the students who apply for admission while on academic suspension from another institution or from FSU. In general only students wishing to do remedial work will be granted admission prior to the suspension being removed.

NON DEGREE-SEEKING ADMISSION REQUIREMENTS

(High School students and transient students)

1.) Application for Admission

2.) **Letter of Certification** (only for high school students- principal granting permission for students to take class, and for transient students-home institutions granting permission to take transferable class(es).

(After completion of 12 credit hours, students wishing to seek a degree must submit an application for admission and additional credentials and/or be tested for placement.)

THE AMERICAN COLLEGE TEST/SCHOLASTIC APTITUDE TEST

Fairmont State Community & Technical College requires the American College Test (ACT) or Scholastic Aptitude Test (SAT) of some degree objective and certificate applicants for admis-

sions to certain programs. All students, though, are encouraged to take the ACT for scores on the test are used in placing students in English and Mathematics, for scholarships and loans, and in the academic counseling program. High school students are urged to take the test during their junior year. Financial aid applicants should take the test either during the summer prior to the beginning of the senior year, or on the October or December dates.

IMMUNIZATION REQUIREMENT

All students of the State System of Higher Education under the jurisdiction of the State College System Board of Directors who were born after January 1, 1957, are required to provide proof of immunity to measles and rubella. Students are requested to provide proof of immunity on or before the date of enrollment.

ADMISSION AS NON DEGREE-SEEKING (Nonmatriculant)

Admission to Fairmont State Community & Technical College as a non degree-seeking or nonmatriculant student is open to anyone who has completed fewer than 15 semester hours cumulative at any college or university. The student must be a high school graduate or a GED recipient. Admission is intended for students registering for occasional college courses with no degree objective. Students may complete up to a cumulative total of 15 hours of college credit. A student who has completed 15 hours of regular college credit is required to apply for admission to Fairmont State Community & Technical College for further study and meet all the requirements for admission for a specific degree or certificate objective.

HIGH SCHOOL STUDENTS

Outstanding high school students may be admitted as non degree-seeking students only, either in the summer following completion of the junior year in high school or during the senior year in high school. No more than 15 hours may be earned before admission as a regular student. In addition a student must meet the following criteria:

1. Complete the junior year of the high school curriculum.
2. Maintain a minimum 3.00 high school grade point average.
3. Recommendation by the high school principal.
4. File an application for admission.
5. Pay regular college fees.

SPECIAL ADMISSION FOR HIGH SCHOOL NONGRADUATES

Students who are not high school graduates may be admitted to Fairmont State Community & Technical College by passing the General Educational Development (GED) Tests. They must be veterans, or persons over 19 years of age, or persons past the age they would have been had they remained in high school until they graduated. Such persons must have been out of school more than one year preceding application for admission. GED results must be sent directly to the Office of Admissions from the testing center.

INTERNATIONAL STUDENTS

The application deadline for the fall semester is June 1, spring semester, October 1; and summer semesters, March 1. Admission files must be complete six weeks prior to the start of the semester. Admission application forms and credentials include:

- a) an application for admission form;
- b) a minimum TOEFL (Test of English as a Foreign Language) score of 500 paper or 173 computer;
- c) officially certified credentials, TOEFL scores, health certificate, and proof of financial support, submitted at least three months before the semester begins;
- d) housing and financial aid request form, if applicable;
- e) officially certified English translation of high school transcript;
- f) official course by course certified English translation college transcript, if applicable;
- g) ACT (American College Test) or SAT (Scholastic Aptitude Test) scores, if available;
- h) health certificate;
- i) proof of financial support; and
- j) a brief résumé of educational and work experience if the student has been out of high school or college for more than a year.

All inquiries and admission materials are to be sent to the International Student Center.

TRANSFER STUDENTS

Any applicant for admission to Fairmont State Community & Technical College who has attended another institution of collegiate rank will be classified as a transfer student. The College does not, under any conditions, disregard college level work earned elsewhere. Credit earned at other accredited colleges and universities will be allowed toward a degree if applicable. Transfer students must meet the admission requirements of Fairmont State Community & Technical College. They must provide evidence of good standing at the institution last attended, and must have maintained a 2.0 or better average on all college work previously attempted.

Credits and grades earned at any public institution governed by the State College System shall be transferable to Fairmont State Community & Technical College and will be counted for purposes of graduation, grade average, and honors. The transfer students from within the State system shall be treated the same for this purpose as generic students.

Students transferring fewer than 16 hours must provide an official copy of the high school transcript and ACT or SAT scores, along with a copy of the college transcript. These students must also meet admission requirements of the program into which they are transferring.

Students in associate degree or certificate programs who have a 2.5 high school grade average (GPA) and at least a composite score of 17 on the Enhanced American College Test (ACT) or 830 on the Scholastic Aptitude Test (SAT) and have completed the minimum high school unit requirements listed above may transfer to a four-year bachelor degree program at any time.

Students in associate degree or certificate programs who do not meet the requirements of a high school grade point average of 2.5 and the Enhanced American College Test (ACT) composite score of 17 or 830 on the Scholastic Aptitude Test (SAT) may qualify for transfer to a bachelor degree program upon completion of 30 semester hours with a 2.0 college grade point

average. Students in this category who qualify for transfer to a bachelor degree program are required to make formal application for transfer. If applicable, the letter of application must list those college courses that have been completed to fulfill the unit requirements. Further, this application for transfer must be submitted to and approved by the Office of Admissions.

TRANSFERRING CORE COURSEWORK

According to System Procedure No. 31 of the State College System, students who transfer from one state college or university to another may transfer core coursework that will count toward fulfillment of general studies requirements at the receiving institutions.

Under the terms of the agreement, a student may transfer up to thirty-two credit hours of undergraduate coursework in the areas of English composition, communications and literature, mathematics, natural science, and social science as general studies credits. Copies of the agreement are available in the Office of the Registrar.

CONSORTIUM AGREEMENT

The Presidents of Glenville State College, Fairmont State Community & Technical College, Fairmont State University, and West Virginia Northern Community College have entered into a collaborative consortium agreement for our students. Basically, this agreement acts as a more direct process for transient students at the four institutions, allowing for enrollment to occur at two institutions at the same time. New students need to contact the Office of Admissions for information; current students need to contact the Registrar's Office.

ADMISSION POLICY FOR LIMITED ENROLLMENT PROGRAMS IN NURSING AND ALLIED HEALTH

Applications for admission to programs in health careers the following school year are listed below. (Nursing applications are accepted through December.) The application, high school transcript or GED scores, ACT or SAT scores, college transcript (if applicable) and other pertinent information to assure complete consideration should be on file by the deadline.

The credentials are organized by the Office of Admissions and are submitted to the appropriate selection committee for consideration. Any application received after that date will be considered only on a space-available basis. All applicants are notified by letter concerning their admission status.

Selection criteria are based primarily on academic background with some flexibility concerning life experience and training. Strong math and science background is highly recommended. Consideration will be given to students who have successfully completed college course work. Students with a college cumulative grade point average of less than 2.0 must remedy this situation before they can be eligible for admission to the programs. Students who have completed a GED must show evidence of successful completion of required prerequisite courses and submit ACT or SAT scores. Effective July 1, 2002 HIT is accepting ACT or SAT or placement testing.

APPLICATION DEADLINES:

Medical Laboratory Technology	January 31*
Radiologic Technology	February 1
Health Information Technology	March 1
Physical Therapist Assistant	January 31
Veterinary Technology	March 1
Emergency Medical Services	August 1

** Applications will be accepted after January 31 for the MLT program, however, preference will be given to those students who meet the deadline date. Applications will be accepted until the class is filled.*

All documents must be on file by the deadline to assure complete consideration.

All applications of persons interested in the specific programs will be given every consideration in the selection process. Consideration will be given to students who have successfully completed college course work.

Students applying for Health Career programs who received a GED must provide ACT or SAT scores and high school transcript.

Nursing applicants must submit evidence of completion of high school or college chemistry, biology and algebra. Students seeking admission to the Medical Laboratory Technology program who have not had high school chemistry are required to take a basic introductory class in college chemistry.

Students should check with the coordinators of the programs for other specific requirements.

CONTINUING EDUCATION UNITS

Various activities of community interest are provided by the College with recognition as Continuing Education Units (CEU). Permanent records of CEU completions are kept on file. CEU credit is not accepted toward completion of degree requirements.

ADVANCED PLACEMENT

Advanced placement and/or credit will be granted to entering freshmen who have qualified on the basis of the tests of the Advanced Placement Program of the College Entrance Examination Board. Scores of three, four, or five are required.

PHYSICAL EXAMINATION

Physical examinations are not required for admission to Fairmont State Community & Technical College, but all Health Careers students must have a physical examination prior to entering any Health Careers program; forms should be submitted to Program Coordinators. All Early Childhood students must have a physical examination prior to entering the program; documentation of examination should be submitted to the Early Childhood Program Coordinator.

SCHEDULING CLASSES

All freshmen and transfer students who apply for admission may preregister during the spring and summer preceding fall enrollment.

At the beginning of each semester or term, all students are

expected to complete registration on the days designated for this purpose. While all students are expected to register on time, late registration periods are permitted with prescribed limits as set forth in the schedule. Late registration fees are assessed in accordance with the fee schedule cited under Special Fees.

REPEATING A COURSE

Prior to the receipt of an associate degree, students may repeat any course taken at Fairmont State Community and Technical College in which they earned a grade of "D" or "F." All repeated courses and grades will remain on the student's academic record; however, the last grade will be the grade of record and will be used in determining the student's grade point average. Students may not repeat a course in which they earned a "C" or better.

ADMISSION TO COLLEGE LEVEL ENGLISH AND MATH COURSES

As a result of freshman assessment and placement standards adopted by the State College System Board of Directors, the following requirements must be satisfied before enrolling in college level mathematics and English courses.

ENGLISH

Students may not enroll in English 104 unless the minimum score prescribed below is earned on at least one of the following tests:

- a.) A score of 18 or above on the English section of the ACT.
- b.) A score of 450 or above on the verbal portion of the SAT-1.
- c.) A scaled score of 38 on the writing skills test of the ASSET.
- d.) A score of 71 or above on the writing skills test of the COMPASS.
- e.) A scaled score of 88 on the Sentence Skills test of the College Board's ACCUPLACER Testing System.
- f.) Satisfactory performance on a writing sample administered by each institution.

Students not meeting any one of the above standards must successfully complete ENGL 0097 before enrolling in ENGL 1104.

MATHEMATICS

Students may not enroll in a mathematics course unless the minimum score prescribed below is earned on at least one of the following tests:

- a.) A score of 19 or above on the mathematics section of the ACT.
- b.) A score of 460 or above on the quantitative portion of the SAT.
- c.) A scaled score of 40 on the numerical test and 38 on the elementary algebra test of the ASSET.
- d.) A scaled score of 59 on the pre-algebra test and a scaled score of 36 on the algebra test of the COMPASS.
- e.) A scaled score of 85 on the arithmetic test and 84 on the elementary algebra test of the College Board's ACCUPLACER Testing System.

Students not meeting any one of the above standards must successfully complete MATH 0095 before enrolling in an introductory college credit math course. NOTE: Students may also be required to complete MATH 0093, General Math, and or MATH 0094, Pre-Algebra, before being permitted to enroll in MATH 0095.

AUDITING COURSES

Students may be permitted to attend classes as auditors if they obtain written permission from their advisor and instructors in the classes they want to audit. No student who enrolls in any class as an auditor may, in the same semester, be considered as enrolled in the class for the purpose of obtaining credit.

Auditors are required to complete the regular registration forms and pay regular fees.

SPECIAL EXAMINATIONS FOR COURSE CREDIT

Students may earn course credit by special examination. To apply for permission for such an examination, applicants must be enrolled in the College or must have completed one semester or summer session in Fairmont State Community & Technical College. Applicants must first schedule an interview with the program coordinator, who will evaluate the student's background, experience, and qualifications to establish eligibility and give permission to take the examination. In order to gain college credit by special examination, students must demonstrate better than average proficiency on the examination, as determined by the examiner. Examinations will not be given for college courses in which students have previously received a grade other than "W" or "WP."

Applicants must pay a fee of \$22.00 per semester credit hour for each special examination. A receipt for the payment of the fee must be obtained from the Business Office. No money will be refunded if any examination is failed. No examination may be repeated.

COLLEGE LEVEL EXAMINATION PROGRAM (CLEP)

The College offers opportunities for earning course credit by examination through the College Level Examination Program. CLEP examinations are open to all, whether enrolled at Fairmont State or not. Information about course credits, examinations available, cost of examinations, and procedures for applying for examinations is available in Career Services, Room 322, Turley Center or the Center for Workforce Education.

ARTICULATION POLICY

Articulation between Fairmont State Community & Technical College and regional high schools and vocational-technical centers permits students to receive college credit for certain course competencies and Tech Prep programs of study completed at the secondary level. Students are permitted to enter college at their level of competency and avoid duplication of course work. Students should contact their high school or Vocational Technical Center counselor for specific information concerning the articulation process.

ACADEMIC CREDIT FOR MILITARY SERVICE

Students who have completed basic training in military service may be granted a maximum of four semester hours credit, which may be used to satisfy General Studies physical education and/or elective requirements. It is the student's responsibility to request this credit and to verify this military experience to the Registrar.

ADVANCED STANDING

Based on the high school record and performance on the ACT or SAT, the Registrar will determine eligibility for advanced standing and credit in English and foreign language as follows:

English-Students may receive three hours of college credit in English 1104 and may enroll in English 1108 if they present four units of high school English with no semester grade of less than a "B" and a standard score of 25 or higher on the English section of the Enhanced ACT or 610 on the English part of the recent SAT.

Foreign Language-Students who present one or more units of high school French or Spanish may enroll in French 1102 or Spanish 1102. Students who present two or more units of high school French or Spanish may enroll in French 2201 or Spanish 2201.

French or Spanish minor and French major-Students electing a minor in French or Spanish or a major in French may satisfy the elementary level requirement, French 1101 and 1102, or Spanish 1101 and 1102, by presenting two or more units of high school French or Spanish. These hours will not be recorded as college credit but will fulfill the requirement for the first six hours of the major or minor.

THE SUMMER SESSION

Fairmont State Community & Technical College offers two terms of five-week summer sessions. The requirements for admission and the character of the work offered are the same for the summer session as for the regular year.

All activities and facilities of the campus are available to students during the summer session. The student body is organized under its own leadership at the beginning of each session. A general program of social, recreational, and dramatic events is scheduled.

Special bulletins for the summer session are prepared for distribution. Those interested in working toward a degree, or in renewal of certificates, or in preprofessional courses, should write for the Summer Bulletin. Address: Registrar, Fairmont State College, Fairmont, West Virginia 26554.

TELEVISED COURSES

Each semester, courses by television are offered that will satisfy degree or elective requirements. Student attendance is required at a minimum of five Saturday classes for orientation, review, and midterm and final exams.

GASTON CAPERTON CENTER OF FAIRMONT STATE

The Gaston Caperton Center of Fairmont State is a regional campus located at 501 W. Main Street in downtown Clarksburg.

Clarksburg, the county seat of Harrison County, is approximately 23 miles from the main campus of Fairmont State University. The Center serves as a site for delivery of courses for students enrolled in Fairmont State University or Fairmont State Community and Technical College providing students with a wide variety of course offerings. The Center is open from 8:00 a.m. until 10:00 p.m. Monday through Thursday, and 8:00 a.m. until 4:00 p.m. on Friday, during the semester.

Students can complete the Liberal Studies requirements for Bachelor of Arts and Bachelor of Science degrees, and all course requirements for the B.S. in Business Administration with an emphasis in General Business. The business common core for all baccalaureate business degrees may be completed at the Caperton Center. In addition, Associate Degrees can be completed in General Business, Accounting, General Studies, Criminal Justice and Physical Therapist Assistant. Many other course offerings allow students to make progress toward degree completion in several academic areas. Consideration is being given to increase the number of complete programs being offered at the Caperton Center.

The Center is housed in a 36,000 square foot state-of-the-art building consisting of the latest in computer connectivity, modern classrooms, computer and natural science labs, conference facilities, and a full-service library. The facility has 15 classrooms including three computer classrooms, one life-sciences lab for general biology, anatomy and physiology, etc., one physics lab for general physics, electronics and/or other technical course, and one physical therapy lab for the Physical Therapy Assistant program. In addition to one hundred computers which are utilized for direct instruction or instruction support activities, the building has a number of courtesy ports which allow students with laptop computers to connect directly into the college's network.

The facility has two large multi-purpose meeting rooms that serve as large lecture halls that seat 54 or 75 people respectively, or may be opened to accommodate 200 in auditorium seating or 125 at tables in a single room. Four small conference rooms are also available, with at least one on each floor.

The library contains up to 10,000 volumes with twenty-four computers in two labs to allow students to research internet and electronic data-bases and resources, as well as complete homework assignments and perform email functions. The library is open and staffed for the same operating hours as the facility. A reference librarian is available to assist students and faculty with research and library needs.

In addition to seating areas in several areas of the building, there are two student lounge areas, one faculty lounge, a portico seating area and an adjacent walled courtyard area with bench and wall seating.

The Center is in full compliance with handicapped accessibility, is served by an elevator to all three floors, and has restroom facilities on each floor. The center has 171 parking spaces in three separate lots with handicapped parking near the rear entrance.

OFF-CAMPUS CLASSES

Fairmont State Community & Technical College offers off-campus classes at Career Technical Centers and high schools throughout the 13 counties of North Central West Virginia. These counties include: Barbour, Braxton, Calhoun, Doddridge, Gilmer, Harrison, Lewis, Marion, Monongalia, Preston, Randolph, Taylor, and Upshur.

OFF-CAMPUS PROGRAMS

Fairmont State Community and Technical College offers a variety of courses at more than 25 sites a semester in a 13-county service area through Off-Campus Programs.

The northern service area includes classes at technical centers and high schools in Barbour, Doddridge, Marion, Monongalia, Preston, Randolph and Taylor Counties. Evening classes are scheduled for traditional and adult learners with additional classes offered for high school students on-site during the day.

Three complete associate degree programs are offered in the Barbour/Randolph county area and the Monongalia/Preston county area. They are: Business Technology, Criminal Justice and Liberal Studies. Depending on the size of the site, all or many liberal studies courses for baccalaureate degrees are offered also.

The Lewis County Center of FSC&TC is located in the Lewis County High School and offers a full range of classes in the fall, spring and summer semesters. The Center encompasses a five-county region which includes Calhoun, Gilmer, Braxton, Upshur and Lewis. The Center serves over 350 students both the traditional and non-traditional students with admission applications, academic advising/scheduling, first year student testing, financial aid, and payments.

Coordination between on-campus full-time faculty and adjunct faculty who teach off-campus courses assures the same standards of quality as those offered on campus. All off-campus classes are governed by policies and procedures in effect at Fairmont State.

PREPARATORY ART, MUSIC, AND DRAMA PROGRAMS

Art, music, and drama classes and private lessons taught by student and professional instructors are available to community, college, secondary and elementary students for an additional fee. Information may be obtained by contacting the School of Fine Arts office. College credit is not awarded for these courses.

Expenses and Financial Aid

RESIDENT CLASSIFICATIONS

GENERAL

Students enrolling in a West Virginia public institution of higher education shall be classified as resident or nonresident for admission, tuition and fee purposes by the institutional officer designated by the President. The decision shall be based upon information furnished by the student and all other relevant information. The designated officer is authorized to require such written documents, affidavits, verifications, or other evidence as are deemed necessary to establish the domicile of a student. The burden of establishing residency for tuition and fee purposes is upon the student.

If there is a question as to residence, the matter must be brought to the attention of the designated officer and acted upon at least two weeks prior to registration and payment of tuition and fees. Students found to have made false or misleading statements concerning their residence shall be subject to disciplinary action and will be charged the nonresidents fees for each session therefore attended.

RESIDENCE DETERMINED BY DOMICILE

Domicile within the State means adoption of the State as a fixed permanent home and involves personal presence within the State with no intent on the part of the person to return to another state or country. West Virginia domicile may be established upon the completion of at least twelve months of continued residence within the State prior to the date of registration, provided that such twelve months residence is not primarily for the purpose of attendance at any institution of learning in West Virginia.

Establishment of West Virginia domicile with less than twelve months residence prior to the date of resignation must be supported by proof of positive and unequivocal action, such as, but not limited to, the purchase of a West Virginia home, full-time employment within the state, paying West Virginia property tax, filing West Virginia income tax returns, registering to vote in West Virginia and the actual exercise of such right, registering of motor vehicles in West Virginia, and possessing a valid West Virginia driver's license. Additional items of lesser importance include transferring or establishing local church membership, involvement in local community activities, affiliation with local social, civic, fraternal or service organizations, and various other acts which may give evidence of intent to remain indefinitely within the State. Proof of a number of these actions shall be considered only as evidence which may be used in determining whether or not a domicile has been established.

MINORS

Minors are defined by the West Virginia Code §2-2-10 as persons under eighteen years of age. The residence of minors shall follow that of the parents at all times, except in extremely rare cases where emancipation can be proved beyond question. The residence of the father, or the residence of the mother if the father is deceased, is the residence of unmarried and unemancipated minors. If the father and the mother have separate places

of residences, minors take the residence of the parent with whom they live or to whom they have been assigned by court order. The parents of minors will be considered residents of West Virginia if their domicile is within the State.

Minor students who are properly admitted to an institution as resident students shall retain that classification as long as they enroll each successive semester.

EMANCIPATED MINORS

Emancipated minors may be considered as adults in determining residence, provided satisfactory evidence is presented that neither of their parents, if living, contribute to their support nor claim them as dependents for federal or State income tax purposes.

In the event that the fact of emancipation is established, emancipated minors assume all of the responsibilities of adults to establish residence for tuition and fee purposes. Proof must be provided that emancipation was not achieved principally for the purpose of establishing residence for attendance at an institution of higher education.

STUDENTS EIGHTEEN YEARS OF AGE OR OVER

Students eighteen years of age or over may be classified as residents if (1) the parents were domiciled in the State at the time the students reached majority and such students have not acquired a domicile in another state, or (2) while adults, students have established a bona fide domicile in the State of West Virginia. Bona fide domicile in West Virginia means that students must not be in the State primarily to attend an educational institution and they must be in the State for purposes other than to attempt to qualify for resident status.

Nonresident students who reach the age of eighteen years while students at any educational institution in West Virginia do not by virtue of such fact alone attain residence in this state for admission or tuition and fee payment purposes.

Students who are properly classified as residents at the time they reach the age of eighteen shall continue to be classified as residents as long as they enroll each successive semester and do not establish a domicile, or legal residence, in another state.

STATE RESIDENTS SIXTY-FIVE YEARS OF AGE OR OLDER

Residents of West Virginia who are at least sixty-five years of age may attend class for credit or no credit if space is available. Eligibility will be determined based on appropriate documents reflecting age and residency. Participants will be admitted according to the process for "Special Students" outlined in Fairmont State College's admissions policies. Students may register anytime during or after the preregistration period designated for "All Other Students" and through the Regular and Late Registration periods. Appropriate dates and times will be published in the Schedule of Classes for each term. Participants may register for either on or off-campus courses.

Eligible participants may elect one of two options for enrolling at the College. Participants must identify themselves and choose an option at the time of registration. No Credit Option. Eligible participants will be assessed fifty dollars (\$50) per

course plus applicable fees, i.e., technology, laboratory, parking permits, when appropriate.

Credit Option. Participants electing to earn college credit will be granted a waiver of fifty percent (50%) of the normal tuition and fees for courses. Technology, laboratory, parking and other special fees will be charged at the regular student rate.

CHANGE OF RESIDENCE

Adult students who have been classified as out-of-state residents and who seek resident status in West Virginia must assume the burden of proving conclusively that they have established domicile in West Virginia with the intention of making their permanent home in this state. The intent to remain indefinitely in West Virginia is evidenced not only by persons' statements but also by their actions. The designated institutional officer in making the determination shall consider such actions as, but not limited to, the purchase of a West Virginia home, full-time employment within the State, paying West Virginia property tax, filing West Virginia income tax returns, registering to vote in West Virginia and the actual exercise of such right, registering of motor vehicles in West Virginia and possessing a valid West Virginia Driver's license. Additional items of lesser importance including transferring or establishing local church membership, involvement in local community activities, affiliation with local social, civic, fraternal or service organizations, and various other acts which may give evidence of intent to remain indefinitely within the State. Proof of a number of these actions shall be considered only as evidence which may be used in determining whether or not a domicile has been established. Factors militating against a change in residence classification may include such considerations as the fact that students are not self-supporting, that they are carried as dependents on their parents' federal or state income tax returns or their parents' health insurance policy, and that they customarily do not remain in the State when school is not in session.

MILITARY

Individuals who are on active military service or employees of the federal government may be classified as residents for the purpose of payment of tuition and fees provided that they established a domicile in West Virginia prior to entrance into federal service, entered the federal service from West Virginia, and have at no time while in federal service claimed, or established a domicile in another state. Sworn statements attesting to these conditions may be required. The spouse and dependent children of such individuals shall also be classified as residents of the State of West Virginia for tuition and fee purposes. Persons assigned to full-time active military service and residing in West Virginia may be classified as in-state residents for tuition and fee purposes.

ALIENS

Aliens in the United States on a resident visa, or those who have filed a petition for naturalization in the naturalization court and who have established a bona fide domicile in West Virginia, may be eligible for resident classification provided they are in the State for purposes other than to attempt to qualify for residency status as students.

FORMER DOMICILE

A person who was formerly domiciled in the State of West Virginia and who would have been eligible for an instate residency classification at the time of his/her departure from the

state may be immediately eligible for classification as a West Virginia resident provided such person returns to West Virginia within a one year period of time and satisfies the conditions of Section 2 regarding proof of domicile and intent to remain permanently in West Virginia.

APPEAL PROCESS

The decisions of the designated institutional officer charged with the determination of residence classification may be appealed to the President of the institution. The President may establish such committees and procedures as determined necessary for the processing of appeals.

PAYMENT OF TUITION AND FEES

The West Virginia law provides that: "No financial credit of any type shall be extended to any individual, either student or other, at any State College or Institution. All Colleges and Universities in the State Higher Education System shall operate strictly on a cash basis with all payments and obligations being collected in advance." The State Codes (laws) of West Virginia now permit the Colleges and Universities to enter into a deferred payment contract with its otherwise qualifying students for tuition only. Under this plan the student is required to pay a minimum of 60 percent during the registration period with the remaining 40 percent being due and payable before the end of the sixth week. There is a service charge equivalent to 18 percent APR on the unpaid balance. Ten days after the due date a late payment is charged in the amount of 5 percent or \$5.00 whichever is less, plus a hold is placed on all records for non-compliance. The student will not have completed the registration process until all fees, plus interest and/or any penalties have been paid in full. Fees can be paid with Visa/Mastercard and Am. Express.

Registration is not completed until a check covering payment of tuition, residence hall rent, board, and fees has cleared the bank upon which it was drawn. A late payment charge of \$25 will be assessed after registration day; a \$10 charge will be assessed on each check returned for "insufficient funds" unless the student can obtain an admission of error on the part of the bank. The Business Office shall declare the fees unpaid and registration canceled until the check has been redeemed and the additional charge paid. Student records will not be released by the Registrar's Office for any student who has a delinquent financial obligation to the College.

All outstanding amounts resulting from nonpayment of tuition and fees are the responsibility of the student. Withdrawal from college, officially or unofficially, will not cancel any financial obligation already incurred. Additionally, failure to pay all financial obligations may result in debts being turned over to a collection agency. Collection costs, including attorney fees and other charges necessary for the collection of any amount due, will be added to the student's account balance.

TWO-YEAR COMMUNITY COLLEGE TUITION & FEES PER SEMESTER

	On Campus WV Resident	On Campus Non-Resident	Off Campus WV Resident	Off Campus Non-Resident
12 hours.....	\$1,639	\$3,649	\$1,440	\$3,450
11 hours.....	1,539	3,387	1,341	3,189
10 hours.....	1,400	3,080	1,220	2,900
9 hours.....	1,260	2,772	1,098	2,610
8 hours.....	1,120	2,464	976	2,320
7 hours.....	980	2,156	854	2,030
6 hours.....	840	1,848	732	1,740
5 hours.....	700	1,540	610	1,450
4 hours.....	560	1,232	488	1,160
3 hours.....	420	924	366	870
2 hours.....	280	616	244	580
1 hour.....	140	308	122	290

New Student Pre-registration Fee (<i>Non-Refundable Fee</i>)	\$120.00
Late Registration (<i>Non-Refundable Fee</i>)	\$25.00
Course Fee (<i>per credit hour</i>)	\$3.00
Aviation Course Fee (<i>per credit hour</i>).....	\$35.00
Dormitory Room	
Double Occupancy, Morrow	\$1,407.00
Double Occupancy, Pence and Prichard.....	\$1,407.00
Bryant Place, Double Occupancy	\$1,596.00
Bryant Place, Single Occupancy	\$1,880.00
19 Meals	\$1,430.00
15 Meals	\$1,300.00
Damage Deposit	\$150.00

All new students must pay a \$120.00 New Student Pre-registration Fee.

In debts being turned over to the collection agency. Collection costs, including attorney fees and other charges necessary for the collection of any amount due, will be added to the student's account balance.

**All fees subject to change*

REFUND POLICY FOR TUITION AND FEES

A student who withdraws regularly from the college may arrange for a refund of fees, excluding special fees, in accordance with the following schedule. Refunds are determined from the first day of the school term, which begins officially with Orientation Week. The Official withdrawal date is certified by the Registrar.

Students who have paid in advance and cancel schedules prior to registration day will receive full refunds.

Students who pay fees on fall and spring registration days will be allowed to drop classes if doing so will result in a reduction of tuition. Classes may not be added or changed at this time.

Summer registration - Students will be permitted to preregister and pay in advance or to register and pay fees on registration day.

SEMESTER TERMS

During first and second weeks (<i>beginning with Registration Day</i>)	90%
During third and fourth weeks.....	70%
During fifth and sixth weeks	50%
Beginning with seventh week	No Refund

SUMMER TERMS

Registration Day through the first three days of classes	90%
Fourth through sixth day of classes.....	70%
Seventh through ninth day of classes	50%
Beginning with tenth day of classes.....	No Refund

RESIDENCE HALL EXPENSES PER SEMESTER

Morrow, Pence and Prichard	\$1,407.00
Bryant Place, Single	\$1,880.00
Bryant Place, Double	\$1,596.00

FOOD SERVICE

All residents of Morrow, Prichard, Pence Halls, and Bryant Place are required to purchase a meal plan for use in the College cafeteria or snack bar located in the Student Center. Campus Dining Services offers three meal plans.

Students who do not live on campus may select from the following nonrefundable plans:

A. <i>Falcon 19 Plan</i>	
(19 meals)	\$1,430.00 per semester
B. <i>Falcon 15 Plan</i>	
(15 meals).....	\$1,300.00 per semester

Summer School Room and Food Service

Room, Double occupancy for five weeks	\$300.00
Damage Deposit (Refundable)	\$50.00

DAMAGE DEPOSIT

This fee, less charge for any damage, is returned at the end of occupancy period. \$150.00

KEY DEPOSIT

This is returned when the student vacates the residence hall room and returns the key to the Residence Director \$2.00

SOCIAL FEE

The fee is to be paid when a student moves into a residence hall. It covers the cost of the local newspaper, TV Guide, television cable, Christmas party, and various other expenses of the hall \$11.00

PAYMENT OF ROOM AND BOARD

Regular term payment of room and board and \$150.00 damage deposit must be paid on or before registration day. Summer term payment of room, board, and a damage deposit for a summer term must be paid in full by registration day.

RESIDENCE HALL RESERVATIONS

Applicants for residence hall reservations must pay a \$150.00 deposit at the time the application is filed with the College. (*This amount is subject to change at any time.*) The deposit will be cred-

ited to the applicant's residence hall rent account. All applications must be filed with the Office of Residence Life. Residence halls are filled on a first applied basis.

Notice of cancellation of room reservations must be received by the Residence Life Office by June 1. Otherwise the total amount of \$150.00 will be forfeited. (*Exception: Should the applicant be denied admittance to the College, a full refund will be made without regard to dates.*)

FEE PAYMENTS

Tuition and fees may be paid by cash or check, or by Visa, Mastercard, Discover, or American Express bank cards. Students have the option of paying 60 percent of their tuition and fees by Registration Day and 40 percent plus interest within six weeks. Students receiving financial aid must apply 100 percent of their aid prior to paying 60 percent of the balance due.

NON-PAYMENT OF TUITION AND FEES

All outstanding balances resulting from non-payment of tuition and fees are the responsibility of the student. Withdrawal from college, officially or unofficially, does not cancel financial obligations already incurred. Additionally, failure to pay all financial obligations may result in the account being sent to a collection agency. Collection costs, including attorney fees and other charges necessary for the collection of any amount due, will be added to the student's account balance.

FINANCIAL ASSISTANCE

Financial aid in the form of scholarships, grants, loans, and employment is available to students who need assistance in meeting their higher education expenses. All funds are administered by the Financial Aid Office in compliance with institutional, state and federal guidelines.

NEED BASED AID PHILOSOPHY STATEMENT

- 1.) Fairmont State Community & Technical College's primary purpose in awarding financial aid is to assist those students who without such aid could not attend.
- 2.) Within its available resources, the College attempts to meet the financial needs of its students. The total financial aid awarded a student shall not exceed the College budget or the student's need, as appropriate.

SCHOLARSHIP PHILOSOPHY AND PROCEDURE STATEMENT

It is the intent of Fairmont State Community & Technical College, as an institution of higher learning to promote and foster the highest degree of scholarship from its students. The College actively recruits students who have excellent academic records and recognizes and rewards those who continue to excel.

The objective of the College's scholarship program is to foster the recruitment and retention of a diverse student body with special talents. To accomplish this objective a variety of merit scholarships are developed with special criteria (ex.: Falcon Scholarships, Academic Discipline-Specific Scholarships, International Student Scholarships, Athletic Scholarships, etc.)

The College is ultimately responsible for final approval of scholarship programs and related policies and procedures. Further, various offices or committees are responsible for segments of the scholarship programs. The Fairmont State Foundation,

Inc., through the auspices of the Fairmont State Foundation's Scholarship Committee, collaborates with the Office of Admissions and Financial Aid Office to explore new areas of scholarship development and expansion, and assist those interested in establishing new merit-based scholarships or enhancing currently established scholarship programs for Fairmont State students. New scholarship programs are reviewed for consistency with institutional recruitment and retention goals and the scholarship philosophy statement, and must be reviewed and endorsed by the Faculty Senate Financial Aid Committee and approved by the President.

The College's Financial Aid Office also administers scholarship aid delivery for a wide range of externally-funded and managed merit and need-based scholarships received by Fairmont State Community & Technical College students.

SOURCES OF FINANCIAL AID

The Financial Aid/Scholarship Brochure details all sources of financial aid offered by Fairmont State Community & Technical College and is available on the College's homepage at <http://www.fairmontstate.edu>.

DEFINITION OF AN ACADEMIC YEAR

For Pell Grant and Direct Loan processing, the academic year at Fairmont State Community & Technical College begins with the fall, continues with the spring, and concludes with the summer term.

PROCEDURES FOR OBTAINING FINANCIAL AID

- 1.) Students must complete and submit an application for admission to the Fairmont State Office of Admissions (new students only).
- 2.) For full consideration of aid based on need, students must complete and submit the Free Application for Federal Student Aid (FAFSA) to the federal processing center by March 1. The FAFSA must be submitted annually.
- 3.) For consideration of eligibility for academic scholarships, students must apply for admission to the College prior to February 1 and submit a scholarship application to the Financial Aid Office by February.
- 4.) Students interested in aid for summer must complete a separate application which is made available in March.

SATISFACTORY ACADEMIC PROGRESS FOR FEDERAL FINANCIAL AID

To receive funds administered by the Financial Aid Office at Fairmont State, students must be making measurable academic progress toward completion of an eligible degree or certificate. Federal regulations require evaluation of both quantitative and qualitative academic progress. Effective beginning with Fall semester 2003, the following guidelines will be applied.

- A.) Cumulative Grade Point Average (Community College and Baccalaureate College):
 - 00-32 total credit hours, minimum cumulative GPA 1.5
 - 33-64 total credit hours, minimum cumulative GPA 1.75
 - 65-above total credit hours, minimum cumulative GPA 2.0
- Cumulative Grade Point Average (all graduate programs):

00-36 total graduate credit hours, minimum cumulative GPA 3.0

- B.) If the student's cumulative GPA falls below the minimum standard at the end of a grading period, the student receives a "warning semester" during which aid continues. At the conclusion of the warning semester, the student cumulative GPA must meet the appropriate minimum. In those instances where it does not, the student will no longer receive financial assistance.
- C.) All students enrolling at Fairmont State for the first time (including transfers) will be considered to be meeting academic progress in the first semester of enrollment. However, in order to continue receiving the financial aid, recipients must meet all requirements at the end of the first grading period at Fairmont State or student will receive a "warning semester".
- D.) In addition to maintaining the overall GPA, a student must be making reasonable academic progress. A student must earn at least 67% of all hours attempted each semester at Fairmont State (this calculation will be rounded to the closest whole number). This applies to the graduate programs as well. A student who does not earn 67% of all hours attempted in a semester will continue to receive the financial aid during a "warning semester" but **MUST** earn 67% of all hours attempted in that semester of enrollment (summer enrollment is not considered in this assessment).
- E.) Students must complete their program of study within 150% of the number of hours required for the degree objective. For a baccalaureate program of 128 hours, students must complete within 192 attempted hours. For an associate program of 64 hours, students must complete within 96 attempted hours. For a certificate program of 32 hours, students must complete within 48 attempted hours. For a graduate program of 36 hours, students must complete within 54 attempted hours.
- F.) Post-graduate, second undergraduate degree and teacher certification students must complete degree/certification program within 60 hours of undergraduate course work.
- G.) Financial aid recipients/applicants whose aid has been cancelled or denied as a result of failure to meet the required standards may be reinstated under the following conditions:
 - 1. Student overall GPA meets minimum.
 - 2. Student earns 67% of attempted credits during a semester.
 - 3. Appeal is granted by Financial Aid Office or Financial Aid Appeals Committee.

Students who wish to appeal the loss of aid because of failure to meet SAP requirements may do so with the Financial Aid Office. Forms available upon request. Appeals may be granted due to hardship based on (a) death of an immediate family member; (b) personal injury or illness of the student, or (c) special circumstances as explained by the student and approved by the Financial Aid Office. Documentation such as death certificate / notice, physician's statement, academic degree plans, or other documents deemed necessary by the Financial Aid Office is required.

If the appeal is denied by the Financial Aid Office, a student may request a review by the Financial Aid Appeals Committee. Fairmont State Faculty Senate appoints this committee in accordance with standard committee procedures. The decision of the Financial Aid Appeals Committee is final.

ACADEMIC FORGIVENESS & FINANCIAL AID

Candidates for academic forgiveness may receive financial assistance during the readmission semester. Candidates who are part-time must take a minimum of six credit hours in order to receive aid and must maintain minimum 2.0 GPA for continued aid. If the cumulative GPA during the readmission semester is less than 2.0, there will be no further financial assistance.

Candidates must have a signed, written request on file with the Registrar and with the Director of Financial Aid and Scholarships in order for financial assistance to be released.

FINANCIAL AID REFUND/REPAYMENT POLICY

Federal regulations require that Fairmont State Community & Technical College recalculate eligibility for financial assistance for students who withdraw, drop out, or are dismissed before completing the enrollment period. This recalculation may result in requiring a student to return financial aid funds to the various federal aid programs.

A student "earns" Title IV federal aid based upon the length of time the student remains enrolled during the enrollment period. Title IV federal aid includes the Federal Pell Grant, Federal SEOG, Federal Perkins Loan, and William D. Ford Federal Direct Student and PLUS loans. Students enrolled for more than 60 percent of the enrollment period (determined by the number of days completed up to the withdrawal date) are considered to have earned 100 percent of Title IV funds and are not required to return their aid. Students enrolled less than 61 percent of the enrollment period must return the "unearned" portion of Title IV funds to the various aid programs. This return may result in unpaid charges to the College for tuition/fees and room/board. The College will bill the student for any balance due. Students who received aid to assist with related educational expenses may also be required to return a portion of their aid. Students who owe a repayment to any federal financial aid program are no longer eligible for financial aid at any post-secondary institution. Eligibility may be re-established after the repayment is satisfied.

If a student who began attendance and does not officially withdraw, fails to earn a passing grade in at least one course, for Title IV purposes, the student is considered to be unofficially withdrawn and FS must recalculate aid.

Please keep in mind this repayment policy is in addition to the institution's refund policy. A student that withdraws from school could owe federal financial aid as well as repayment back to the WV Higher Education Grant Program, Promise Scholarship Program and/or Fairmont State.

VETERANS' POLICIES

The following policies and procedures will be observed by Fairmont State Community & Technical College for the purpose of determining satisfactory progress for all students receiving veterans benefits, the Veterans Administration will be notified of any veteran who is not maintaining satisfactory progress.

PROBATION OR SUSPENSION

The Veterans Administration will be notified immediately at the end of the semester of a student receiving veterans benefits who is either suspended or placed on academic probation by

Fairmont State College. The Office of the Assistant Vice President for Academic Affairs supplies the Veterans Coordinator with a list of students suspended or placed on academic probation. This list will serve as the basis for notification to the Veterans Administration.

CLASS ATTENDANCE

Individual class attendance by all students receiving veterans benefits will be maintained and the Veterans Administration will be notified immediately when a student's absence from class is interfering with satisfactory progress in that class. The following procedure will be used in collecting attendance information:

- 1.) All instructors will be provided with a list of students receiving veterans benefits.
- 2.) The Veterans Coordinator will notify the Veterans Administration immediately that the veteran is not making satisfactory progress in specific classes because of irregular attendance.

If a student receiving veterans benefits withdraws from college or an individual class and the Veterans Coordinator has no prior notice of irregular class attendance, the official withdrawal date on the withdrawal form completed in the Registrar's Office will be assumed as the last date of class attendance.

FINAL GRADE FOR ALL COURSES ATTEMPTED

The final grade policy for all courses attempted applies to all students at Fairmont State Community & Technical College, including those receiving veterans' benefits.

MIDTERM REVIEW

The Veterans Coordinator will review the midterm grade report for all students receiving veterans benefits and the Veterans Administration will be notified of any irregularities or indication of lack of progress on the midterm grade report.

SUMMARY

As indicated above, students receiving veterans benefits are subject to all institutional policies of grading, attendance, and withdrawal. It is the responsibility of the College Veterans Coordinator to administer the procedures listed above and to notify the Veterans Administration, in every instance, indicating lack of satisfactory progress by the student receiving veterans benefits. There are no separate policies of attendance, withdrawal, or grade average calculation for students receiving veterans benefits. Veterans are informed that evidence of unsatisfactory progress during a semester may result in loss of benefits back to the point at which satisfactory progress ceased (i.e., irregular withdrawal from class).

Student Affairs

Fairmont State Community & Technical College provides many services to its students for the purpose of assisting them to adjust to the college environment. The Office of the Vice President for Student Affairs coordinates and assumes responsibility for all activities and services directly affecting the welfare of students.

Developmental opportunities are a significant part of the educational experience. The Office of Student Affairs encourages students' growth and development by assisting them to understand themselves, others, and their relationship to society. The Vice President for Student Affairs coordinates and assumes responsibility for all activities and services to achieve this objective. Services include career services, residence life, counseling, student health services, child care, disability services, freshman orientation activities, student organizations, student activities, Student Government, and student (work-study) employment on campus.

CAREER SERVICES

The Office of Career Services provides students and alumni with a variety of services. These services include career exploration, career/life planning, and job placement. Students can utilize interactive computer software and career counseling to clarify career options. An extensive career resource library is also available. Career Services provides the following:

- Assistance in declaring a major through a variety of assessment tools
- Personalized career counseling
- Information on employment trends, outlooks, etc.
- Internship/practical experience opportunities
- Seminars, career/job fairs
- Job placement class (Human Services 1199)
- Graduate school information
- Internet job search
- Full and part-time job opportunities
- Access to job referral system
- On-campus interviewing
- Career resources library
- Establishment of credential file
- Work Study job assignments

Freshmen through seniors and alumni are encouraged to take advantage of the services and resources. The Office of Career Services is located in Room 322 Turley Center and is open Monday through Friday, 8:00 a.m. to 4:00 p.m. Evening appointments may be made by arrangement. Call (304) 367-4214.

COLLEGE COUNSELING SERVICE

The counselors in Student Affairs offer professional assistance with personal problems, problems of social relationships and the understanding of oneself and others. The staff consists of professionals trained in clinical practice and counseling that are experienced in dealing with issues of college students. These services are available to all students in the belief that they often

find significant benefit in counseling as a means of increasing self-awareness, maximizing potential and making the college experience more productive and meaningful. Contacts with the College Counseling Services are held in strict confidence. Appointments may be made by calling, (304) 367-4792 or in person in Room 308, Turley Center.

RESIDENCE LIFE

The College maintains four residence halls which accommodate approximately 844 students. Each residence hall provides a learning environment which is designed to enhance academic and social life.

RESIDENCE STANDARDS

1. All unmarried freshman students who do not commute or who do not reside with their families are required to reside in college housing so long as space is available.
2. All residence hall assignments are made for the entire academic year; students may not move or transfer from any residence hall, except to graduate, to withdraw for the remaining part of the academic year, to marry and live with their spouse, to commute to take care of an incapacitated parent, or to move to a different environment for health reasons.
3. Applicants for room reservations must pay a \$150 deposit at the time of application; this fee will be credited to the applicant's room-rental account. Notice of cancellation must be received by Student Affairs by June 1 or the \$150 deposit is forfeited. A \$150 deposit is required of students who wish to reserve a room for the spring term. This deposit will be returned upon notice provided that the request for a refund is received before December 15.
4. All residence hall students and their parents or guardians are responsible for being familiar with the purchase of meal tickets, the code of behavior, and all other regulations that are listed and explained in the Residence Life Handbook.
5. The College reserves the right to limit the number of students in the residence halls under its control.
6. Students who live in Pence, Morrow, or Prichard Hall as well as Bryant Place must purchase a meal ticket for the Dining Hall.
7. Residence halls will be closed during the spring recess and during the Thanksgiving and Christmas vacations.
8. In cases where a preponderance of circumstantial evidence of policy violation or criminal action exists, the student's room will be searched in accordance with the Student's Rights and Responsibilities of Fairmont State.
9. Any residence hall student who is suspended or expelled from the College for disciplinary reasons may forfeit their right to any residence hall refund.
10. All residence halls are smoke free.
11. The College is a "dry campus." Alcoholic beverages are not permitted in the Residence Halls.

INSTITUTIONAL TESTING PROGRAM

Several standardized comprehensive tests are essential for special groups of students. These tests include, but are not limited to, the following:

AMERICAN COLLEGE TESTING PROGRAM (ACT)

Registration for some classes is contingent upon its completion.

COLLEGE LEVEL EXAMINATION PROGRAM (CLEP)

Students who wish to obtain credit by examination may check in room 322 of the Turley Center for test information.

GRADUATE RECORD EXAMINATION (GRE)

This test is optional for students graduating who expect to attend graduate school. This should be taken during the senior year. Application and information are available in Room 322 Turley Center.

PRE-PROFESSIONAL SKILLS TEST (PPST)

Students must earn passing scores on all three sections (reading, mathematics, and writing) in order to be admitted to Teacher Education. Other requirements exist for admission to Teacher Education. Applications and information are available in Room 322 Turley Center.

PRAXIS II SPECIALTY AREA EXAMS AND PRINCIPLES OF LEARNING AND TEACHING (PLT) TESTS

Students graduating with a Bachelor of Arts Degree in Education are required to take these tests and to achieve the minimum acceptable score for each teaching specialization and developmental level in order to be recommended for licensure. Students normally should take the Specialty Area Exams during the semester prior to their student teaching semester. The PLT exam should be taken during the final semester of their senior year. Applications and information are available in Room 322 Turley Center.

DISABILITY SERVICES

As required by Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990, certain accommodations are provided for those students whose disability may affect their pursuit of a college education. These students must contact the Coordinator for Disability Services, who is located in Student Affairs, if these services are desired. The Associate Provost is notified and provided written documentation of the required academic accommodations and apprises advisors, school chairs, and instructors of this information each semester. Priority scheduling procedures have been established for students with disabilities. Students should contact their advisor for priority class preregistration. For additional information refer to the brochure "Disability Services" available in Student Affairs.

STUDENT ORIENTATION

New students arrive on the campus in advance of other students to become acquainted with the campus, buildings, academic programs, student activities, and student welfare in general. Throughout the orientation period, new students are assisted and guided by trained student counselors, who are sympathetic to the individual problems of students.

STUDENT HEALTH SERVICE CENTER

A physician assistant and a registered nurse are available to examine and advise students in matters pertaining to their health. When college is in session, a nurse is available from 8:00 a.m. until 4:00 p.m., Tuesday, 8:00 a.m. until 5:00 p.m. M,W,Th, and 8:00 a.m. until 12:30 noon on Fridays in the College Clinic in Colebank Hall for first aid and for the treatment of minor ailments. The college physician assistant has regular campus office hours Monday, Wednesday, and Thursday, 9:45 a.m. until 5:00 p.m.

MULTICULTURAL AFFAIRS

The Office of Multicultural Affairs provides multicultural education for all students. Educational endeavors will assist majority and minority students to identify their commonalities and recognize, understand, accept, respect, and value their differences. Students will learn to relate to members of diverse groups, communicate effectively across racial and cultural lines, and transfer these skills to a variety of settings.

The Office of Multicultural Affairs also promotes systematic change that fosters a multicultural perspective across campus. As change agents, we work with various allies to incorporate diverse perspectives into every facet of the institution, including admissions, hiring practices, administrative policies and procedures, academic curriculum, and co-curricular activities. Our journey will not end until every unit on campus and the College as a whole address multicultural issues in an optimal manner.

Finally, the Office of Multicultural Affairs provides support to under represented ethnic groups. This support includes assessment and other functions designed to identify the psychosocial, academic, and other needs of minority students; communication of these needs, along with recommendations for meeting them, to other units of campus; programs and services that enhance students' personal, social, educational, and cultural development; and efforts to encourage all students to participate in and contribute to the life of the campus.

GENERAL REGULATIONS

In matters concerning student rights, responsibilities, and social conduct, special reference should be made to the published Student Handbook and the Parking and Vehicle Regulations brochure.

STUDENT AUTOMOBILE REGULATIONS

Fairmont State provides a 940-space parking garage for students as well as parking spaces in defined areas throughout the campus. Parking decals are required and are included in tuition; they can be picked up in 236 Hardway Building. Students receive parking brochures at the time of admission and they are available from the Dept. of Public Safety. Visitor and/or day passes can be purchased from the Dept. of Public Safety. Additional information may be found in the Student Handbook.

THE LIBRARIES OF FAIRMONT STATE COMMUNITY & TECHNICAL COLLEGE

Fairmont State Community & Technical College has three libraries that may be used by students, faculty and staff. The

Ruth Ann Musick library is on the second and third floors of the library building on the main campus. The other libraries are located at the Caperton Center in Clarksburg and the National Aerospace Education Center (NAEC) at Bridgeport. These facilities function at the heart of the community college's academic program. Library personnel work closely with students and faculty to develop research skills and to provide a wide range of support services that enhance the learning experience. The library's print and electronic holdings are designed to support the curricular needs of the academic program of study offered at the college and to encourage intellectual and personal growth.

The libraries provide easy access to over 285,000 items including books, periodicals, government documents, compact discs, videos and other multimedia, and to electronic databases. Subscriptions to over 16,000 journals and newspapers, either in print or online full text provide the latest information in all disciplines.

The libraries have an online, web-based catalog of all holdings. This catalog is searchable from any location in the world, through the use of a web browser.

REFERENCE SERVICES

The librarians offer instructional programs and training sessions, including orientation which covers the use of the library's resources, methods of dealing critically with available information and ways in which the library can provide information, both through traditional means and by the latest electronic methods. Training in the use of information gathering on the Internet and through other electronic information resources is available to all users.

The library on the main campus is open almost 100 hours a week during fall and spring semesters and over 66 hours during the summer sessions. At least one professional librarian is available or on call most hours that the library is open. The librarians provide individualized assistance with projects, research questions, and papers.

Among the libraries' holdings are thousands of reference works, abstracts, and indexes, as well as computerized, web-based databases, both full text and bibliographic in nature.

INTERLIBRARY LOAN

If students need research materials that are not available in one of the libraries, the items may be requested through Interlibrary Loan, either online or in person. Users may place requests online, using ILLIAD, and may track the progress of requests. Using a major bibliographic database (OCLC), library staff handle requests quickly and efficiently. Fax equipment, the posting of articles to a secure website for borrowers, and ARIEL (Internet transfer of documents) are all used to improve response time.

ONLINE SERVICES

The librarians at Musick Library maintain the libraries' web pages with information resources available to all students online. Resources include journal indexes, full text journals, encyclopedias, style manuals, newspapers, government documents, and bibliographic indexes in all areas of the sciences, social sciences, humanities, and technology. There are over 40,000 books available, full text, through the online catalog. Specialized assistance in locating resources is available and students

and faculty may email questions to the librarians. All online resources are available remotely from any location with Internet access, through the use of the Fairmont State email username and password.

STUDENT GOVERNMENT ASSOCIATION

Student Government at the College actively seeks to supplement the academic atmosphere with intellectual, cultural, and social activities. Student Government members are involved in all aspects of life on campus and work cooperatively with the college administration.

Every segment of the student body is represented in the Government. Members are elected each spring by the student body and receive special training for their positions. The association is comprised of the president, vice president, secretary, treasurer, parliamentarian, representatives of the four classes and other groups. An advisor is assigned by the Vice President for Student Affairs.

Student Government meets weekly in 128 Hardway Hall. All meetings are open and any student is welcome to attend.

FOOD SERVICES

Dining Hall:

A marketplace of food venues is attractively presented in the Student Activity Center. Customers can take advantage of the one price — meals or select just a salad, sandwich or single cookie. The hours of operation, the meal prices and the menus are posted in the entrance hall to the dining room. A la' Carte pricing is posted at each of the following food stations:

- Grille
- Pasta Bar
- Home-cooked Entrees
- Deli Bar
- Show Cookery Station
- Soup & Salad Bar
- Dessert Buffet
- Breakfast Bar
- Beverage Bar

To spice things up a bit — look for our Trendsetters — where we surprise customers with a Nacho Bar, with an Ice Cream Sundae Bar or a similar special treat!

Nickel Snack Bar & Store:

Check out the new NICKEL. With coffee, beverages along a tempting menu of sandwiches, pizza, pepperoni rolls, soup and salads. Our expanded convenience store is fully stocked for all your needs - from gourmet ice cream pints of frozen dinners, from bags of candy to boxes of cereal, from over-the-counter medicines and toiletries to laundry detergent. Take advantage of your "local corner store."

CLUBS, HONOR SOCIETIES, AND SOCIAL ORGANIZATIONS

College students have organized over 80 clubs and honorary organizations for the promotion of interests in various subject matter fields, the recognition of outstanding achievement in various campus activities, and for general social purposes. A list of

the currently active organizations can be found in The Campus Organization Handbook or Room 309, Turley Center.

RELIGIOUS ORGANIZATIONS

Organized groups on campus include the Newman Center sponsored by the Roman Catholics, the Wesley Foundation sponsored by the United Methodists and Presbyterians, Chi Alpha, related to the Assemblies of God, and the Baptist Campus Ministry related to the American Baptist Church. A complete list of active organizations are available in the office of Student Affairs.

Services of ministers of many denominations and other faiths are available to the campus at all times through the Newman Center and Wesley Foundation.

PUBLICATIONS

Student publications are comprised of *The Columns*, the student newspaper, *The Mound*, the yearbook, and *Whetstone*, a student art and literary magazine. Staff positions are open to all interested students. Application forms are available in Room 301 Jaynes Hall, the student publications business office. Students participating as staff members may also receive one-hour college credit for their work by enrolling in Journalism 199 (Section 01, for *Columns*; Section 02, for *Mound*; Section 03, for *Whetstone*) and performing duties as assigned by the editor. Editors of the respective publications are chosen annually by the Student Publications Board, the governing body of all student publications.

All publications allow students to showcase their writing, photographic, and graphic skills in professional settings using advanced computer technology. *The Columns* is published ten times per semester and is distributed campus-wide by noon each Monday. *Whetstone* is published each semester. *The Mound* is published annually. *Tracts* a journal for undergraduate scholarship. *Kestrel: A Journal of Literature and Art*, a professional art and literature journal which features poetry, fiction, non-fiction, drama and art work from art and literary professional around the world, offers junior and senior level students an opportunity for a professional immersion experience in adjudication, publication and business management through an internship with three hours of course credit (journalism 399: Kestrel). *Kestrel* is published twice a year, fall and spring, and acts as an arts bridge to the community. The goal of both programs is to promote "living" literature, and art. Interested students should inquire in the School of Language and Literature.

All publications are financed primarily by student fees.

MUSIC ORGANIZATIONS

Performing organizations in the Music Department are open for the participation of all interested and qualified students at Fairmont State.

Instrumental organizations include the Falcon Marching Band, Fairmont State Concert Band, College-Community Symphony Orchestra, Brass Ensemble, Percussion Ensemble and Stage Band. Additional Chamber ensembles are organized on occasion under faculty supervision.

Vocal ensembles include the Collegiate Singers, Chamber Choir and the College-Community Chorus. Additional ensembles are organized on occasion under faculty supervision.

All musical ensembles present concerts on and off campus

during the school year. Interested students should contact the Music Department for additional information.

FORENSICS

(Public Speaking and Debate Activities)

Traditionally the College offers a variety of programs for all students interested in public speaking and debate. Participation in all of these activities is open to any full-time student in good academic standing at the College. All activities are under the direction of the Speech Communication and Theatre faculty.

The Intercollegiate Debate Squad annually participates in 10 to 15 intercollegiate debate tournaments at colleges and universities throughout the Eastern United States. The debate squad also sponsors and participates in public exhibition debates, television and radio presentations. The College is a member of the National Forensic Association and the American Debate Association and a subscriber to the American Forensic Association Code of Forensics Program and Forensics Tournament Standards for Colleges and Universities.

Students may participate in intercollegiate public speaking contests in oratory, extemporaneous speaking, persuasive speaking, impromptu speaking and after-dinner speaking. Students who have demonstrated mastery of theatre studies and excellence in theatre performance or technical theatre are offered membership in the Alpha cast of Alpha Psi Omega, the National Dramatic Honorary.

All full-time students have the opportunity to participate in the Annual M.M. Neely Oratorical Contest. The contest is a persuasive speaking event which is endowed by the heirs of the late U.S. Senator and Governor of West Virginia, M.M. Neely. All speech communication majors and minors must compete in the Neely Contest as a final recital presentation.

The campus Chapters of Delta Sigma Rho-Tau Kappa Alpha, the national forensics honorary, recognizes outstanding students through membership in the local chapter.

THEATRE

The College traditionally offers an active theatre program for performer, technician, and theatre goer.

The Masquers, since 1923 the student theatrical production organization, present a season of plays, varied in style and period, usually in Wallman Hall during the fall and spring semesters. The plays are directed, designed and supervised by the Speech Communication and Theatre faculty. Acting roles and positions on the production crews are open to the student body on a voluntary or course credit basis. Performances are open to the public. Membership in Masquers is open to the student body and is earned through participation with the college theatrical productions.

Since 1960 the Masquers' Town and Gown Players have presented a season of plays during the summer months. Students enrolled in summer Theatre courses work along with the members of the Resident Company (selected experienced students receiving a grant for full-time acting and technical work) and members of the community to bring a season of light summer theatre fare (comedies, musicals, children's plays) to Northern West Virginia theatre goers and to provide a cultural, recreational, and educational outlet for all participants. The plays are directed, designed, and supervised by the professionally trained members of the Speech Communications and Theatre faculty and/or guest artists. Acting roles and positions on production

crews are open to the public as well as to the students, faculty, and staff at the College on a volunteer or credit basis.

The Masquers, Jr., periodically present a play for a children's audience. It is produced in conjunction with Theatre 352, Children's Theatre Practicum, but participation through acting roles and production crews is often open to the student body.

The Studio Theatre presents student-directed and faculty-directed presentations in a studio/experimental setting in Room 314 Wallman Hall. Acting roles and positions on production crews are open to the student body.

The Masquers Reader's Theatre provides theatre presentations open to the public. Also, an active program in intercollegiate oral interpretation is offered to all students.

INTRAMURAL SPORTS

Fairmont State offers a variety of intramural sport programs for the benefit of all students, faculty and staff. Various activities are organized for competitive play among groups, organizations, and individuals. It is the goal of the department to promote competition, camaraderie, and physical fitness while encouraging sportsmanship, fair play and respect for competition. All students are urged to participate in the intramural program. Sports include flag football, volleyball, basketball, bowling, golf, softball, badminton, spades, soccer as well as other activities suggested by students.

Several facilities are open for student free play and recreation. Colebank gymnasium is opened most evenings and weekend hours. The weight room, racquetball courts, and pool are opened at various times for student enjoyment, and students may join the Wellness Center for an added fitness outlet.

INTERCOLLEGIATE SPORTS

The College sponsors an intercollegiate athletic program for men in football, basketball, baseball, cross-country, golf, tennis and swimming. The intercollegiate athletic program for women includes tennis, golf, basketball, volleyball, swimming, softball, and cross-country. Cheerleading is offered for both men and women. There are fine indoor and outdoor facilities and equipment for physical education and recreation. All students are free to participate in any one or more of the intercollegiate sports and in all recreational activities.

ATHLETIC POLICY

The program of intercollegiate sports at Fairmont State Community and Technical College is supervised by a Director of Athletics, who is assisted in the planning of the program by an athletic committee of the faculty.

The general objectives of the intercollegiate sports program at the College are to teach young men and women the values of sportsmanship, good physical conditioning, and the disciplinary and social values of organized team play. Specific values include the training afforded prospective coaches and physical education instructors through participation and the possible acquisition, to some extent, of experiences and skills which may furnish recreational outlets following graduation.

In pursuance of the policies recommended by the North Central Association, the following minimum standards governing intercollegiate athletics are maintained:

- The ultimate responsibility for the conduct of the athletic program rests with the President.

- Students participating in athletics are admitted by the Director of Admissions on the same basis as other students. Athletes are required to maintain the same academic standards as non-athletes.
- The award of scholarships, student loans, and student employment to athletes are made through the same agency of the College and on the same basis as grants of aid to all other students. All employed students are required to give full and honest work for pay received.
- All athletic funds are handled by the Business Office of the College. An audit of the receipts and disbursements of these funds is made annually by the Legislative auditors.
- An effort is made to compete only with colleges having similar educational and athletic policies.
- The College is a member of the West Virginia Intercollegiate Athletic Conference and the National Collegiate Athletic Association (NCAA). Athletic participation is regulated and controlled by the eligibility rules of the Conference. Copies of these rules are on file in the Office of the Director of Athletics.

ALUMNI

The Alumni Association of Fairmont State is the official organization of all graduates and former students of the "old" Fairmont State Normal School, Fairmont State Teachers College, Fairmont State University, and Fairmont State Community & Technical College.

The history of the Alumni Association dates back almost to the founding of the institution. A meeting was held on Commencement Day, June 27, 1873, at which time the twenty-nine graduates formed the Association.

Events of special interest to alumni include the Annual Homecoming celebration during the fall semester. Festivities begin on Thursday evening and continue through Saturday and include a parade, banquet, and business session. The class of 50 years ago returns to the campus for a day's visit and dinner as guests of the Alumni Association and the College. This group of alumni who graduated 50 years ago automatically become members of the Emeritus Club. The unit was formed in 1963. In addition, the Alumni Association funds one scholarship each year—to a son or daughter of FS alumni. The scholarship, worth \$500, is awarded by the Financial Aid Office based on criteria set by the Alumni Association. Another \$1,000 award is given annually to an education major in honor of former president Wendell Hardway.

Information concerning the Alumni Association may be obtained by writing to the Alumni Office, Fairmont State, Fairmont, West Virginia 26554.

Degree Requirements and Academic Information

An Associate of Arts, Associate of Applied Science, or Associate of Science degree is also granted upon successful completion of at least 60 semester hours in the two-year curricula. A Certificate is offered in several areas.

Fairmont State Community & Technical College Associate of Arts, Associate of Science, Associate of Applied Science, Certificate Program

	Degree Offered	Minimum Sem. Hrs. Required
Administrative Support.....	A.A.S.....	66
Airframe and Aerospace	A.A.S.....	75
Applied Design		
Fashion Design.....	A.A.S.....	65
Interior Design	A.A.S.....	65
Aviation Maintenance Technology.....	A.A.S.....	68
Aviation Technology	B.S.....	(see FSU)
Board of Governors	A.A.S.....	60
Business Technology		
Accounting.....	A.A.S.....	66
General Business	A.A.S.....	66
Criminal Justice.....	A.A.S.....	65
Drafting/Design Engineering Technology	A.A.S.....	65
Early Childhood.....	A.A.S.....	66
Emergency Medical Services	A.A.S.....	66
Folklife Studies.....	A.A.....	66
Food Service Management		
Culinary Arts.....	A.A.S.....	64
Dietary Manager.....	A.A.S.....	64
Pastry & Baking Arts Specialization.....		64
Resort & Hotel Management Specialization		64
Graphics Technology		
Commercial Design	A.S.....	64
Electronic Publishing	A.S.....	64
Internet Publishing	A.S.....	64
Health Information Technology	A.A.S.....	73
Homeland Security.....	A.A.S.....	68-71
Aviation		68
Criminal Justice		71
EMS		66
Safety.....		68
Information Systems Technology	A.A.S.....	66
Interpreter Training.....	A.A.S.....	64
Liberal Studies	A.A.....	67
Medical Laboratory Technology	A.A.S.....	73
Para- Education.....	A.A.....	65
Paralegal	A.A.S.....	64
Physical Therapist Assistant.....	A.A.S.....	70
Veterinary Technology	A.A.S.....	77
Occupational Development		
Building and Construction Trades.....	A.A.S.....	64
Early Child Practitioner.....	A.A.S.....	64

Emergency Medical Services	A.A.S.....	72
Correctional Officer	A.A.S.....	68
Fire Fighters	A.A.S.....	65
Food Service Specialist.....	A.A.S.....	64
Technical Studies		
Automotive Technology	A.A.S.....	64-72
Highway Technician	A.A.S.....	72
Information Systems.....	A.A.S.....	64
Radiologic Technology	A.A.S.....	64
Respiratory Care	A.A.S.....	64
Water and Wastewater.....	A.A.S.....	71
Wood Production Technology	A.A.S.....	64
Certificates (One-year)		
ASL Communication	Certificate.....	33
Emer. Med. Technician-Paramedic ...	Certificate.....	36
Laboratory Assistant	Certificate.....	34
Paraprofessional in Education	Certificate.....	36
Skill Set		
Accounting.....	Skill Set.....	18
Administrative Assistant.....	Skill Set.....	18
Ballroom Dance	Skill Set.....	20
CAD Computer Aided Design	Skill Set.....	16
Classroom Teacher's Aide	Skill Set.....	6
Classroom Teaching Assistant	Skill Set.....	18
Computer Forensics	Skill Set.....	18
Early Childhood Teacher;s Aide	Skill Set.....	6
Early Childhood Teaching Assistant	Skill Set.....	18
Intelligence Research & Analysis.....	Skill Set.....	21
Office Technology.....	Skill Set.....	18
ProMgmt Certificate®.....	Skill Set.....	20
Serve Safe®.....	Skill Set.....	2

DEGREES

Fairmont State Community and Technical College offers three kinds of two-year associate degrees.

Associate of Arts

The associate in arts degree is designed to satisfy the lower division requirements of bachelor of arts degrees, thereby, preparing students to transfer to an upper division baccalaureate program. The studies required in this degree embody the characteristics of an educated person and generally place emphasis upon the social sciences, humanities, and professional fields within these disciplines.

Graduation from an associate in arts program assures that students have been provided a foundation in general education that enables them to appreciate their culture and environment as well as different cultures of the world; the development of a system of personal values based on accepted ethics that lead to civic and social responsibility; and the attainment of communication skills necessary for growth as a lifelong learner. It also as-

sures the employer that graduates have satisfactorily completed at least 60-72 credit hours.

Associate of Science

The associate in science degree is designed to prepare people for immediate employment or to satisfy the lower division requirements of bachelor of science degrees, thereby, preparing students for the work force or to transfer to an upper division baccalaureate program. A minimum of 6 hours of transfer English and 12 hours of math and/or science are required for this degree and will embody the characteristics of an educated person and generally place emphasis upon the sciences and mathematics that support technical fields of study, such as engineering, agriculture and science-related fields.

Graduation from the associate in science program assures that students have been provided a foundation in general education that enables them to appreciate their culture and environment as well as different cultures of the world; the development of a system of personal values based on accepted ethics that lead to civic and social responsibility; and the attainment of communication skills necessary for growth as a lifelong learner. It also assures the employer that graduates have satisfactorily completed 60-72 credit hours.

Associate of Applied Science

The associate in applied science degree is generally awarded to those who successfully complete programs which emphasize preparation in the applied arts and sciences and are designed to lead individuals to employment in a specific career. It also assures the employer that graduates have satisfactorily completed 64-72 credit hours. Although the objective of the associate in applied science degree is to enhance employment opportunities, some baccalaureate degree granting institutions have developed upper division programs to recognize this degree for transfer of credits.

CERTIFICATE PROGRAMS

Certificate programs, which generally take one year or two semesters of full-time course work to complete, are designed for students seeking to learn basic skills or to increase their proficiency in a specific occupational area. In a certificate program, students take skill-development courses in their field of interest and a limited number of related courses. Graduates of certificate programs may use their credentials to seek immediate employment or may continue their studies in a degree program.

Degree Programs: *See Academic Information for a complete list of Community and Technical College Programs.*

ASSOCIATE DEGREES AS MINORS FOR BACCALAUREATE PROGRAMS

Any successfully completed associate or two-year degree offered within the Community and Technical College, except General Studies and the field of the B.A.-B.S. major, may be used to fulfill the requirements for a minor in any B.A. or B.S. (nonteaching baccalaureate) degree awarded by Fairmont State University.

GENERAL STUDIES REQUIREMENTS

The General Studies courses at Fairmont State Community and Technical College are intended to provide students with the intellectual skills and the breadth of knowledge which will enable them to thrive both as individuals and as citizens in a democracy and be better able to think clearly, choose wisely, and act responsibly. More specifically, the General Studies courses should accomplish these objectives:

- 1.) Help students master the skills of analytical reading and listening, oral and written expression, quantitative reasoning, independent thinking, and the ability to find and use information effectively.
- 2.) Help students comprehend, analyze and appreciate
 - a. The world's arts and literature;
 - b. The historical and political experience of the world, with appropriate emphasis on that of Western Civilization and America;
 - c. The perspectives and methods of the social sciences, philosophy, and technology;
 - d. The basic scientific principles which are at work in the world and the procedures used to discover them; and
 - e. The knowledge and skills whereby a healthy life may be lived.

The common theme among most of the General Studies courses is connections: connections between belief and action, past and present, other societies and our own, other people and ourselves as well as connections among various fields of knowledge. Insofar as possible, each General Studies course is global and pluralistic in perspective, promotes reflection on values, emphasizes major and enduring aspects of its subject, and reinforces students' intellectual integrity and their abilities to think, read and express themselves clearly, independently and creatively.

Any successfully completed associate degree offered within the Community and Technical College, except General Studies and the field of the B.A.-B.S. major, may be used to fulfill the requirements for a minor in any B.A. or B.S. (nonteaching baccalaureate) degree awarded by Fairmont State University.

General Education Requirements

The new General Education program will be for all associate degree programs, both terminal and articulated with Fairmont State College. Many of the programs in the C&TC are designed as 2+2 curriculums that articulate directly into Fairmont State University baccalaureate degrees, and thus most courses in this General Education program are also in the Liberal Studies requirements. The general education curriculum will meet the needs of all associate degree programs including Occupational, Technical, or Board of Governors degree (however, number of required credits may vary) or articulated programs with the 4 year college. It will align general education of the C&TC more closely with the 4 year college, facilitating a clearer perception of a required studies core for all students. All associate degree programs in the C&TC have been reviewed against the reorganized general education requirements and will fit the needs of AA, AS, AAS, and Occupational/Technical degrees. In addition, it is suggested the current general studies be referred to as "General Education" for the C&TC, to distinguish it from the 4 year program.

• General Education Requirements for:

Associate of Arts	15 sem. hrs.
Associate of Science	15 sem. hrs.
Associate of Applied Science	15 sem. hrs.
2+2 Articulated Programs with Fairmont State University	15 sem. hrs.

Occupational, Technical and Board of Governors Associate of Applied of Science degrees vary by program. See individual programs for specific requirements.

• Interactive Inquiry (Freshman Experience).....9-12 sem. hrs.

Writing Skills 6 sem. hrs.

ENGL 1104	Written English I.....	3
	(PR: ACT 18 or ENGL 0097)	
ENGL 1108	Written English II.....	3
	(PR: "C" or higher in ENGL 1104)	
-or-		
ENGL 1109	Tech Report Writing*	3
	(PR: "C" or higher in ENGL 1104)	
	"C" required for graduation in ENGL 1108 or ENGL 1109	

Listening, Speaking, Analytic and

Critical Thinking Skills3-6 sem. hrs.

INFO 1100	Computer Concepts	3 hrs
	(or other computer course/demonstrated competency)	
MATH 1107	or higher	3 hrs
SPCM 1100	Speech Communication	3 hrs

Math Competency required. All C&TC students will demonstrate Math Competency, to be as determined by their program of study.

• Additional Requirement.....3-6 sem. hrs.

C&TC General Education Electives*

BIOL 1170	Anatomy & Physiology	4
FOSM 1110	Nutrition.....	3

* do not transfer to Bachelors' Liberal Studies requirements

Culture/ Civilization Exploration

ENGL 2220, 2221, 2230, 2231.....	3-6
HIST 1107, 1108, 2211, 1212, 2213.....	3-6

Artistic / Creative Expression / Performance-Based Courses

ART 1120	MUSC 1120, or THEA 1120.....	3
APPD 1102	Apparel Design	3
APPD 1116	History of Costume.....	3
ARCH 1130	Arch History I.....	3
ARCH 1160	Arch History II.....	3
DANC 1110	Intro Ballroom Dancing.....	2
GRAF 2225	Basic Photography	3
GRAF 2290	Electro Art Comp Imaging.....	3

Interdisciplinary Studies

INTR 1100	Race, Class, and Gender.....	3
INTR 2201	Intro Women's Studies	3
INTR 2280	Empowering Leadership	3
INTR 2281	Great Ideas of Leaders	3

Scientific Discovery

BIOL 1105, 1106.....	4-8
CHEM 1102, 1105, 1106	4-8
GEOL 1101, 1102	4-8
PHYS 1101, 1102.....	4-8
SCIE 1110, 1199 (various courses).....	4-8

Society / Human Interaction

PSYCH 1101	Intro to Psychology.....	3
SOCY 1110	Introductory Sociology	3
SOCY 1111	Introduction to Anthology	3
ECON 2200	Economics	3
ECON 2201	Economic Principles I.....	3
ECON 2202	Economics Principles II	3
GEOG 2210	Intro to Geography	3
POLI 1103	Am Government.....	3
POLI 2200	Introduction to Political Science	3

15 semester hours of general education requirements are required for all associate degree programs. Refer to General Studies in terminal degrees for requirements in programs that do not articulate with Fairmont State. Review specific program curriculum for a list of specific courses that may be required for degree completion.

GRADING SYSTEM

The following system of grading is used within the institution:

- A Superior, given only to students for exceptional performance.
- B Good, given for performance distinctly above the average in quality.
- C Average, given for performance of average quality.
- D Lowest passing grade for performance of poor quality.
- F Failure. Course must be repeated if credit is to be received.
- FIW Failure because of irregular withdrawal.
- I A temporary mark, given only when students have completed most of the course, but are unable to conclude it because of illness or some other unavoidable circumstance. Beginning with courses taken during the first semester, 1975-76, the letter grade "I" will be omitted from the calculation of the grade point average for a period of one year following the issuance of the "I." Along with any grade report containing the grade "I" and for each letter "I," the instructor must submit a brief description of the "part of the course" not completed by the students. This statement, to be reviewed by the appropriate school chairperson and filed in that office, is to be written on a three-part form which is also used by the instructor to report the grade for replacing the "I" during the year following the issuance of the "I." At the end of the one-year period, the instructor must submit a final grade. If no change is made by the instructor, the grade "I" will be changed to "F."
- W Withdrew.
- CR Credit. Does not affect quality points.
- NC No Credit. Does not affect quality points.
- P Pass, Successful completion of the student teaching experience.

QUALITY POINTS

The quality of a student's work is indicated by quality points. Candidates for graduation must have at least twice as many quality points as semester hours attempted; that is, a point-average of 2.00 on all college work and on all work completed at Fairmont State. Quality points for grades A, B, C, D, are computed as follows:

- A Four (4) quality points for each semester hour of credit.
- B Three (3) quality points for each semester hour of credit.
- C Two (2) quality points for each semester hour of credit.
- D One (1) quality point for each semester hour of credit.

Students' grade averages are determined by dividing the number of quality points by the number of credit hours scheduled. No quality points are attached to grades F and FIW, but the credit hours for the courses in which these grades are received will be used in computing grade averages.

In order to graduate, candidates for degrees must have maintained a grade point average of 2.00 or better in all college courses and in all credit earned at Fairmont State. An average of 2.00 must also be maintained in the major and minor fields of study.

All variations from prescribed programs must be approved by the school chairperson in the major/minor field before students can qualify for graduation.

It is the students' responsibility to keep informed of their

quality point standing. This information can be obtained at any time from the Registrar.

Grades earned in other institutions shall not be used to make up a deficiency of quality points in this institution.

EXAMPLE FOR COMPUTING GRADE-POINT AVERAGE

Courses Taken	Final Grade	Quality Points	Semester X Hours	Quality Points (Total)
ENGL 1104	A.....	4.....	3.....	12
BIOL 1101	D.....	1.....	4.....	4
HIST 1111	B.....	3.....	3.....	9
SOCY 1110	C.....	2.....	3.....	6
POLI 1103	B.....	3.....	3.....	9
MATH 1101	W.....	-.....	-.....	-
			16	40

40 Quality Points

16 Semester Hours = 2.5 Grade-Point Average

CREDIT-NO CREDIT OPTION

Any student who has completed 58 or more semester hours of credit may elect one course per semester on a credit-no credit basis, such courses to be considered as part of the regularly scheduled load. A maximum of 15 semester hours may be completed under this option.

Courses selected must not be included in the general studies requirements, must not be in the student's major or related courses.

Credit-no credit earned under this option will be recorded but will not be reflected in the quality point index. Credit courses will count toward graduation.

Selection of a course for credit-no credit must be made at registration with the approval of the student's academic adviser and may not be changed after the close of the registration period.

CLASSIFICATION OF STUDENTS

Students who have completed the high school or a secondary course and not more than 25 hours of work are classified as freshmen.

Students who have completed 26 hours but not more than 57 hours of college work are classified as seniors in the Community and Technical College.

NUMBERING OF COURSES

Courses for freshmen (1100 series) and sophomores (2200 series) constitute the lower level of curriculum. Courses numbered 3300-4499 are primarily for juniors and seniors. All General Studies Requirements consist of lower level courses which should be completed as far as possible by the end of the sophomore year.

It is strongly advisable to take at least eight hours of General Studies Requirements each semester until they are completed.

ACADEMIC PROCEDURES

Semester Load: Students must petition the program coordinator in which they major for permission to carry more than 18

semester hours. The maximum number permitted is 25 semester hours. To be eligible for permission, students must have an overall B average or a B average for the preceding semester. Exceptions may be made if students are in the last semester before graduation or before the initial performance practicum.

Declaring a Major: All undeclared students must select a major field of study by the beginning of their junior year.

Late Registration Fees: See schedule of fees in the College Catalog for late registration. Late registrants often fail to obtain satisfactory schedules, for the policy of the College is to give priority to students who register on the regular registration dates.

Schedule Changes: Students may not add new classes to their schedules after registration has ended. However, there is a period, normally three days, when students may drop and/or add classes.

Withdrawal from College: Students must apply at the Registrar's office to withdraw from college. Forms completed with the proper signatures and returned to the Registrar's office will constitute an official withdrawal. On the final grade report to the Registrar, instructors will record a "W" for students who withdraw up to one week prior to the last regularly scheduled class meeting. Students who fail to follow this procedure will have "FIW's" recorded. Students should withdraw online.

Withdrawal from Class: Students may drop one or more classes with "W" being recorded up to one week prior to the last regularly scheduled class meeting. No withdrawals are permitted from individual classes during the week prior to final week.

Repeating a Course: Prior to the receipt of a baccalaureate degree, students may repeat a course in which they earned a grade of D or F if the course was taken no later than the semester or summer term during which they attempted the sixtieth semester hour. The original grade will not be deleted from the student's record; however, the original grade will be disregarded and the grade earned on the first repeat will be used in determining grade point average. Grades for courses repeated more than once or repeats of courses attempted in semesters or summer terms following the one in which the sixtieth hour was attempted will be used in determining grade point average. Students may not repeat a course in which they earned a C or better. Students who began college study prior to 1968 and transfer students should contact the Office of the Registrar to ensure coverage of this regulation.

Minimum Residence Requirements for Graduation: For an associate degree at least one semester's work (at least 16 credit hours) and at least 8 of the last 16 hours in residence are required. For the certificate degree at least eight semester hours work in residence is required.

Application for Graduation: Candidates for graduation must officially apply for a degree in the Office of the Registrar. This should be done one semester in advance and as early in the semester as possible but not later than 45 days prior to the planned graduation date.

Transient Credit: Regularly enrolled students who complete work at another accredited institution on a transient basis must secure written permission of the Registrar before attempting

such course work. Transient credit completed without permission will not be accepted.

ATTENDANCE AND ABSENCES

Students are responsible for familiarizing themselves with the College absence policies which are to be found in the Student Handbook.

ACADEMIC ADVISING SYSTEM

Students are assigned academic advisors when they first enroll at the College. If students desire to change their major fields of study, they should contact the academic school for reassignment. Students who are not ready to select a major upon entrance will be assigned to the Academic Advising Center. Students should discuss problems relating to degree requirements, preregistration, registration, and withdrawals from class or college with their advisors.

ACADEMIC ADVISING CENTER

■ (304) 367-4709

The Academic Advising Center offers direct advising services to students who have not yet selected a degree program (Undeclared Majors), as well as to prospective, post-graduate, and non-degree-seeking students. Advisors at the Center possess detailed knowledge of major, minor, and liberal studies requirements and can assist students with identifying and reaching academic goals. Advisors also assist students in the development of meaningful educational plans that are compatible with their life goals.

The purpose of the Academic Advising Center is to provide the undeclared student with comprehensive advising as well as interpersonal professional support. A concerted effort is made to address any academic concerns that may impede the student's successful completion of degree requirements and to assist the student in the selection of an academic program.

Undeclared majors are assigned to the Academic Advising Center upon entrance to Fairmont State. Faculty members may refer any student with academic concerns directly to the Center for academic guidance.

The Center is located in Hardway Building and is open between 8:00 a.m. and 4:00 p.m., Monday through Friday. The Center also offers evening appointments upon request.

Services:

- Formalized advisor/advisee conferences scheduled throughout the semester.
- Academic assistance and guidance on a drop-in basis for students with immediate concerns or questions.
- Processing of change/declaration of major for undeclared students.
- Summer scheduling and advising of all new students, transfers, and readmitted students.
- Workshops sponsored by the Center relevant to maximizing academic success.
- Direct information and referral assistance to campus and community services.

ACADEMIC DEVELOPMENT CENTER

The Academic Development Center offers courses in college reading and study skills, general math, pre-algebra, elementary algebra, and composition skills for students who enter college with academic deficiencies and/or low placement test scores in any of those areas. These courses do not apply toward the credit hours required to graduate but they do provide institutional credit, counting toward a student's full-time status. All courses offered through the Academic Development Center are worth three institutional credit hours. These courses can be found under the heading Academic Development Center in the schedule of courses. The Center's main office is 200 Jaynes Hall.

Students are required to complete all such required, non-graduation credit courses within their first 32-credit hours of college if they are majoring in an AA, AS, or AAS program. Students in BA and BS programs are strongly encouraged to complete these courses within their first 32-credit hours, also.

TUTORING PROGRAM

■ (304) 367-4596

Fairmont State Community and Technical College and Fairmont State University provide an accredited tutoring program, which has been certified by the College Reading & Learning Association's International Tutor Certification program. All FSC&TC and FSU students are entitled to ten hours of free tutoring each semester; students registered in the Disability Services receive additional hours. Trained peer tutors are available through Tutorial Services, 207 Jaynes Hall. This office houses study carrels and support materials for one-on-one or small group tutoring sessions in virtually all subject areas.

For further information, contact the Tutorial Director in 203-B Jaynes Hall.

SUPPLEMENTAL INSTRUCTION

■ (304) 367-4596

Supplemental Instruction is a new program at Fairmont State implemented to enhance learning in historically difficult courses. To facilitate collaborative learning, faculty-recommended students who are trained as SI Leaders lead weekly out-of-class study sessions. Participation is free and available for all students enrolled in a SI-targeted course. For further information, contact the Supplemental Instruction Supervisor in 203-B Jaynes Hall.

GRADE REPORTS

The grades of all students are reported by each faculty member to the Registrar at the middle and end of the semester. Faculty advisors are provided complete grade reports at each reporting period. Students receive grades mid-semester and at the end of the semester. Midterm grade reports are not made during summer school. Final grades are available on the Web.

PROBATION-SUSPENSION POLICY

Satisfactory Academic Standing

A student is deemed to be in Satisfactory Academic Standing when his/her cumulative grade point average, based upon coursework taken at Fairmont State Community and Technical

College, is 2.00 or higher.

UNSATISFACTORY ACADEMIC STANDING

A student is deemed to be in Unsatisfactory Academic Standing when his/her cumulative grade point average, based upon coursework taken at Fairmont State Community and Technical College, is below 2.00.

ACADEMIC PROBATION

1. The status of Academic Probation is automatically applied to a student when the cumulative grade point average, based upon coursework at Fairmont State Community and Technical College, falls below 2.00.
2. The status of Academic Probation will be removed only after the cumulative grade point average, based upon coursework taken at Fairmont State Community and Technical College, is 2.00 or better.
3. A student who is placed on academic probation may continue to enroll on a full-time basis, but will be limited to 15 semester hours.
4. The status of Academic Probation will not be noted on the Official Academic Transcript of the student.

ACADEMIC SUSPENSION

1. A student will be deemed to be on Academic Suspension when his/her cumulative grade point average, based upon coursework taken at Fairmont State Community and Technical College, falls below the minimum required GPA in relation to the overall attempted institutional and transfer hours (listed below).

FSC&TC and Transfer Attempted Hours	FSC&TC Minimum GPA
16-32	1.45
33-63	1.75
64-	2.0

2. The suspension list will be compiled at the end of the Spring Semester.
3. Students must be placed on probation for one semester before they are subject to suspension.
4. No student with a current semester GPA of 2.00 or better will be suspended.
5. A student who is academically suspended will not be permitted to enroll in coursework at Fairmont State Community and Technical College for the following semester.
6. Students will be given the opportunity to attend summer school at FSC&TC to make up their GPA deficiency.
7. A student is automatically eligible for readmission after the period of suspension is over, but must reapply through the Office of Admissions to have their Academic Suspension hold removed.
8. Fairmont State Community and Technical College will not accept credit for courses taken at any institution while a student is suspended.

ACADEMIC FORGIVENESS POLICY

Revised and approved May 8, 2001

Only the students applying for readmission after the effective date of this policy will be eligible for forgiveness under this policy. This policy supersedes all previous Academic Forgiveness Policies at Fairmont State Community and Technical College.

Academic forgiveness is intended for the student who is

returning to college with a grade point deficit and who has not been enrolled as a full-time student (12 or more credit hours) in any institution of higher learning during the five consecutive academic years immediately preceding the readmission semester. A student who does not normally qualify for readmission because of a low GPA may be admitted and placed on academic probation, unless he/she has been placed on academic suspension. When forgiveness is granted, grades of D, F and FIW earned prior to the five consecutive academic year period immediately preceding the beginning of the readmission semester are excluded from the computation of the grade point average, including those grades that appear as transferred grades on the official transcript. However, no failing grade will be removed from the permanent record. The academic forgiveness policy may be applied after a student has earned 12 credit hours that apply toward graduation with a minimum GPA of 2.0.

Academic forgiveness will be granted only once for any student. The Registrar will give consideration to a request for forgiveness when he receives a signed, written request from the student which certifies that the student has not been enrolled as a full-time student (12 or more credit hours) in any institution of higher learning during the five consecutive academic years immediately preceding the readmission semester. Should the student have attended any institution of higher education on a part-time basis during the specified five year period, he/she must have earned at least a 2.0 GPA in all course work attempted. The student's request for forgiveness must be submitted during the readmission semester, and it must identify the non-enrollment period. If all prerequisite conditions have been met, academic forgiveness will be granted at the time the current GPA is calculated officially by the Registrar upon completion of the readmission semester.

The academic forgiveness policy does not alter, change, or amend any other existing policies at Fairmont State Community and Technical College and is formulated to be consistent with Series 20 of the West Virginia Higher Education Policy Commission. A student who has incurred three academic suspensions from any institution of higher education is, therefore, on final academic suspension and does not qualify for forgiveness. A student may, however, appeal the final suspension to the Admissions and Credits Committee if he/she does so according to the procedure set forth in the "Academic Suspension" section of the Fairmont State College catalog. If the third suspension is repealed, the student may then apply for forgiveness by submitting a written request to the Registrar as stipulated previously. This policy pertains only to the calculation of the GPA required for graduation and does not pertain to GPA calculated for special academic recognition (such as graduating with honors) or to requirements for professional certification which may be within the province of licensure boards, external agencies, or the West Virginia Board of Education.

The College is not bound by the decision of any other institution to disregard grades earned in college courses. Similarly, students should be aware that academic forgiveness extended by this College may not be recognized by other institutions to which they may transfer.

ENGLISH PERFORMANCE EVALUATION

All students who are candidates for degrees must attain a grade of "C" or above in English 1104 and 1108 in order to prove their competence in the use of the English language. This is a requirement for graduation.

DEAN'S LIST

Students who register and receive letter grades for twelve or more hours (excluding credit or audit marks) and receive a grade point average of 3.4 or better are considered honor students and are named to the Dean's List.

GRADUATION WITH HONORS

Candidates for graduation with an associate degree who maintain a grade point average 3.4 or better will receive the designation of "With Honors" on their diplomas and "Honors" on the Commencement program.

GENERAL REGULATIONS

Students are responsible for familiarizing themselves with the Student Handbook concerning student rights and responsibilities and matters of academic dishonesty such as cheating and plagiarism.

TRANSCRIPTS

Students at Fairmont State Community and Technical College are entitled to official transcripts of their record free. Students who fail to meet their financial obligations to the College, or to any department of the College, will not be given transcripts.

A request for a transcript of credit must be made in writing furnish the date of last attendance at Fairmont State Community and Technical College and social security number. A married woman should give both her maiden and married names. All requests for transcripts should be sent directly to the Registrars Office.

Students may request transcripts on line at www.fairmont-state.edu/ec. While there is no charge for transcripts, there is a limit to three request per day. Transcripts need within 24 hours will be assessed a \$9.00 fee.

STUDY ABROAD PROGRAMS

In keeping with a desire to provide more direct student enrichment programs in international education, Fairmont State Community and Technical College, working through the Office of International Education, provides Study Abroad opportunities to students enrolled in a formal degree or certificate program. Students may receive collegiate academic credit for study and experience occurring outside the United States by: 1) enrollment in a resident study abroad or travel-study program sponsored by Fairmont State Community and Technical College; 2) enrollment in a resident study abroad or travel-study program sponsored by FACDIS (The West Virginia Consortium for Faculty and Course Development in International Studies); 3) enrollment in a program directed by faculty members from other West Virginia institutions; 4) enrollment in a program sponsored by a US college or university or Consortium with FSC&TC's approval; 5) enrollment in a foreign university as a special student; 6) enrollment in a US college or university abroad; 7) enrollment in a program sponsored by an organization other than a college or university with FSC&TC's approval. Students will be required to obtain prior consent from the school or department before registering for study abroad programs.

Although such international experience is not required in all programs, study abroad is strongly recommended for students not only in the field of foreign languages but also in other fields as well (such as the humanities, social sciences, business, art, etc.) Resident study abroad programs or travel-study programs will be integrated with traditional academic courses offered at FSC&TC and will become part of the regular institutional curriculum. Study abroad is an important component of a comprehensive studies program which can contribute to the development and growth of the individual student and prepare the student to function more effectively in a global world. Participants in such programs will enhance their preparation for further graduate or professional studies and employment while deriving countless other benefits.

WEEKEND COLLEGE

■ Jennifer Weist
230A Hardway Hall / (304) 367-4503
jweist@fairmontstate.edu

The Weekend College program is an alternative course delivery system specifically designed for adult learners who want to earn an Associate degree or complete a baccalaureate degree but find weekday or evening classes inconvenient or incompatible with career and family responsibilities. This accelerated program designed for mature, self-motivated learners meets on Saturdays at Fairmont State's main campus and at the Caperton Center in Clarksburg.

Courses are offered in consecutive 8-week terms. Two terms are offered during each of the Fall and Spring semesters and one term is offered during the Summer. Students may enroll in the Weekend College program prior to the beginning of any 8-week term, provided they have completed the normal admissions process and meet any prerequisites for courses offered. Students attending the Weekend College program can complete an Associate degree in as little as eleven terms (approximately 2 1/2 years). Adding weekday, evening or on-line classes can accelerate the completion of a degree program.

At this time, degree programs offered through the Weekend College Program include:

- Associate of Arts in General Studies
- Associate of Applied Science in Criminal Justice
- Associate of Applied Science in Business Technology with Specialization in General Business or Accounting
- Bachelor of Science in General Business with Emphasis in General Business

The program is designed so that additional programs of study can be added depending on the needs of the service region.

Please contact the Community and Technical College for more information on the Weekend College program, course schedules or information on degree plans.

VOCATIONAL CAREER PROJECTS

With the assistance of the Carl D. Perkins Vocational Education Act, Vocational Career Projects provides supplemental services and activities for adults. Various projects assist adults in different areas. These include workshops for those in need of training or retraining, programs for men and women entering nontraditional occupations, assistance for single parents or displaced homemakers enrolled in vocational education, and

providing guidance to displaced workers subsidized by state and federal agencies.

The Vocational Career Projects program conducts pre-college orientations designed to help adults who are in the process of beginning or returning to college and provides information on admissions and registration, financial aid, degree options, child care, and numerous other college procedures.

TECH PREP PROGRAMS OF STUDY

■ Hardway Hall / (304) 367-4094

Articulation agreements have been implemented with area high schools and vocational/technical centers to award college credit for course work completed under the Tech Prep Programs of Study. Students who achieve recognized competencies may apply credits to several two year Associate Degrees at Fairmont State Community and Technical College. Students should contact their local high school for Tech Prep Programs of Study available and refer to the Community and Technical College Office for articulation policies and procedures.

EDGE

EDGE stands for Earn a Degree-Graduate Early. It allows students to take high school courses for community and technical college credit. This allows students to save money for college credits.

Students should contact their high school counselor for information or go to www.wvtechprep.wvnet.edu.

CREDIT FOR EXPERIENTIAL LEARNING

Fairmont State Community and Technical College recognizes that some students, particularly adults and non-traditional students, may have developed competencies which closely parallel those competencies taught in college-level courses. The College provides the opportunity for students to receive academic credit for experiential learning which has taken place outside the formal educational structure through a portfolio review process.

The portfolio is reviewed by appropriate faculty members or by other experts if the field of study is not offered by the College. Faculty recommend the number of credit hours to be awarded by subject equating the credit, if possible, with existing Fairmont State courses. An evaluation fee is charged for the portfolio review and for receiving college-equivalent credit.

For additional information contact the Coordinator for Experiential Learning in Hardway Hall.

COMMUNITY SERVICE LEARNING

Service Learning is a national movement utilized in a number of colleges and universities in the United States. It is the process of integrating volunteer community service combined with active guided reflection into the curriculum. This enhances and enriches student learning of course material. The distinguishing characteristic of service learning is its twofold emphasis on both enriching student learning and revitalizing the community. To accomplish this, effective service learning initiatives involve students in course-relevant activities in:

- Connecting the logical continuity between experiential and textbook knowledge.

- Enhancing students' self-esteem through meaningful contributions to community.
- Engaging students in decision making, critical thinking, and application of learned skills.
- Providing human resources to meet the educational, human, safety, and environmental needs of the community.
- Creating a spirit of civic responsibility and leadership.

The pedagogy of service learning represents a progressive, substantial change from the traditional curriculum and promotes education as a "process of living" which encourages information processing as well as accumulation. This constant restructuring of information exemplifies the continuity and reality that exists between life experience and knowledge.

HERNDON LEGISLATIVE FELLOWS PROGRAM

The primary goal of this program is to instruct selected full-time undergraduates from institutions of higher learning in West Virginia in the theory and operation of legislatures and legislative bodies in their multi-dimensional aspects and roles. Participants will be designated as legislative interns and will perform work assignments in the West Virginia Legislature for the duration of the session. They will spend a full semester in the study of the operation, role, and functions of legislative bodies.

To be eligible for this program, students must have completed a minimum of 60 undergraduate semester hours or its equivalent with an academic grade point average sufficient to admit them to the degree program of their choice. At the time of making application, students must be enrolled at their home institutions on a full-time basis and cannot be on academic or social probation. Students may not serve as interns if they are subsequently placed on academic or social probation for the period which would include the internship in Charleston. Each applicant must have taken at least one college course in political science unless, in the judgment of the selection committee the student's record displays an active and sustained interest in public affairs or the political process, at which time the course requirement may be waived. For additional information, contact the Political Science Department.

FRASURE-SINGLETON STUDENT LEGISLATIVE PROGRAM

The Frasure-Singleton Student Legislative Program provides students the opportunity to observe the West Virginia Legislature for one week during the body's regular legislative session. Participants are assigned to a legislator who assists in explaining the legislative process. They attend committee meetings and public hearings where legislation and issues are discussed. They sit on the Floor during daily sessions surrounded by legislators with issue research, constituent requests and other legislative tasks. In addition, participants meet with representatives from all branches of state government, lobbyists, reporters, and legislative staff persons.

The program is open to full-time college sophomores, juniors, and seniors from all fields of study. Applicants must be in good academic standing and successfully completed at least one Political Science course. One semester credit hour is given to participants.

For more information, contact the faculty in the Political Science Department.

LEADERSHIP CERTIFICATION

Fairmont State provides students with the opportunity to develop their leadership abilities, regardless of their academic major or minor. Leadership Certification is an interdisciplinary humanities program based in the liberal arts and grounded in theory and practical experience. It is designed to enhance a student's college career by linking leadership to self-awareness, personal growth, organizational theory, and practical experience in community service.

• Required Courses.....		10 sem. hrs.
INTR	2280	Empowering Leadership 3
INTR	2281	Great Ideas of Leaders 3
MGMT	3390	Human Behavior in Organizations 3
-or-		
PSYC	4410	Theories of Personality 3
HUSV	1103	Community Service Learning 1
-or-		
Phi Theta Kappa Leadership Certificate		1

PUBLIC AFFAIRS INTERNSHIPS

The Political Science Department regularly becomes aware of internship opportunities at the local, state, and federal levels of government. These internships can be with members of the state House of Delegates and Senate, the United States Congress, city managers, public interest groups, or state and federal agencies. Internships can take place during the semester or during the summer months. While most of the internships do not include a salary, academic credit can be given.

For more information, contact faculty in the Political Science Department.

WASHINGTON CENTER INTERSHIP PROGRAM

The Washington Center Internship Program gives students the opportunity to live and work in one of the most important cities in the world and to experience the professional arena of the nation's Capitol as well as the cultural diversity. The Washington Center Internship allows students to:

- Develop Professional Skills
- Clarify Personal Goals
- Improve research and communication skills
- Meet people from across the country and the world
- Prepare for life after college
- Give perspective on their studies
- Investigate a profession of interest
- Apply academic learning to the work world

For additional information contact the Office of the Associate Provost.

SPECIAL PROGRAMS

■ Dale Bradley, Assistant Provost
Off Campus Programs and Workforce Education
320 Adams Street, Suite G01, Fairmont / (304) 367-4920
dbradley@fairmontstate.edu

CENTER FOR WORKFORCE EDUCATION

The Community and Technical College operates a workforce training facility in downtown Fairmont at Veterans Square, 320 Adams Street Suite G01. This 12,000 square foot facility contains two state-of-the-art computer labs, four training rooms, a conference area and business offices.

The Center is designed to provide a flexible environment, enabling rapid response to regional business and industry workforce training needs. Programs focus on upgrading current workers skills and knowledge with a special emphasis on high-end computer technology training and certification for adults. Most activities are short term, non-academic credit training programs.

The Center offers both customized and open enrollment training. Customized training programs are specifically developed to address identified training needs of regional business and industry for their current projected workforce. Businesses may also lease the Center's computer and training rooms to deliver their own training activity. Open enrollment training programs are developed in response to a recognized regional need and are open to the general public. Programs that typically fall under this category include computer technician certification; a variety of high-end industries certified information technology training, various desktop software applications, certified medical coding courses and entrepreneurship.

ACT CENTER

■ (304) 367-4930

Fairmont State Community & Technical College is an authorized ACT Center. Fairmont State's ACT Center housed at the Center for Workforce Education is operated in Partnership with ACT Inc., known previously as the American College Testing Organization, and is one of four authorized ACT Centers in the State of West Virginia and one of two hundred and fifty ACT Centers planned nationwide.

The ACT Center is a combination "High Stakes" Testing Center and training programs for area businesses, individuals and organizations. The Center offers just-in-time, just-enough training tailored to needs. More than 90 percent of the ACT Center courses are web-based. Students have up to one year to complete a course. The ACT Center offers courses in seven major workforce development categories: Key Work Skills, Computer Basics, English as a Second Language (ESL), Industrial Technology and Safety, Information Technology, Management and Leadership, and Personal and Professional Development.

Other Center for Workforce Education and ACT Center services include certification and licensure testing, workplace assessments, continuing education, skill-specific training, and educational and career guidance.

SMALL BUSINESS DEVELOPMENT CENTER

Fairmont State Community & Technical College operates two Small Business Development Centers (SBDCs): one is the Fairmont State Regional SBDC with central offices located in the Center for Workforce Education; the other is the Fairmont State Flatwoods SBDC located in the Flatwoods Outlet Mall in Sutton WV. Both are operated in partnership with and are members of

the West Virginia Small Business Development Center Network, a Division of the West Virginia Development Office. In addition, the Fairmont State Regional SBDC has one satellite office located at the Rail Yard Depot in Elkins WV. Together these offices are responsible for promoting economic development in 11 counties throughout north-central West Virginia by providing the small business community access to free business consulting services, assistance and entrepreneurial training.

NATIONAL HARDWOOD LUMBER GRADING SCHOOL

The National Hardwood Lumber Association is a nonprofit trade association of over 1,800 member firms that produce, sell and use hardwood lumber, or provide services to the hardwood industry. The Association was founded in 1898 to establish a uniform system of grading rules for the measurement and inspection of hardwood lumber. The NHLA still functions as the administrator and keeper of these rules.

In 1948, the Association established a vocational training school in Memphis, Tennessee, to teach the rules and application of the NHLA grading system, and help fill an increasing demand for skilled lumber inspectors throughout the United States, Canada and the world. In 55 years, the Inspection School has trained over 6,500 lumber inspectors.

In 2002, the NHLA recognized the need to locate an additional training site in the Eastern US hardwood region. As a result of this initiative, a partnership agreement was forged between Fairmont State Community and Technical College and the West Virginia Wood Technology Center to establish an NHLA Satellite School in Elkins, WV that companies in the central Appalachian forest can utilize to meet the growing need for trained lumber inspectors.

The 14-week Inspection School curriculum provides students with both the technical knowledge of the NHLA grading rules, and the practical skills and experience necessary to become a lumber inspector. The instructor is NHLA certified, and a skilled inspector with many years of experience in the hardwood lumber industry. Upon successful completion of the program, students receive an NHLA diploma in a formal graduation ceremony. Inspection School graduates are qualified for immediate employment as lumber inspectors.

ON-LINE MEDICAL TRANSCRIPTION TRAINING PROGRAM

Fairmont State Community & Technical College's offers a non-academic credit medical transcription training program that is 100% completed in a web-based delivery format on-line. This on-line program was designed by transcriptionists, editors, trainers, and service owners/managers to tailor transcriptionists specifically to the needs of employers. It is designed primarily as a self-paced learning structure with on-line and FSC&TC Faculty support available on an as needed basis. The student can take up to one year to complete the training courses with 500 to 800 hours of time spent on-line completing the course. The historically averages for completion is 640 hours in nine months. The curriculum contains exercises and tests in grammar, typing, and all areas of terminology – including anatomy and physiology, medical word building, abbreviations, Latin plurals, medical specialties and more. The training also contains an extensive audio library with more than 700 actual medical dictations to practice on. For individuals ready for the challenges of self-paced, on-line learning, this program is one of the most affordable and practical training options available online in medical transcription and can have students ready for gainful employment within four to nine months.

FIBER OPTICS AND COMMUNICATION TRAINING PROGRAM

This 24-week non-academic credit program offered in partnership with Orbit Educational Group, Inc. provides the student with the necessary technician skills to gain entry level employment and begin a career in the telecommunications/data, fiber optic, digital phone & voicemail integration and electronic security alarm industry. This program which has approximately 750 instructional contact hours is designed as an intensive hands-on educational experience with 60% of the students time involved in hands-on activities while 40% of the student's time is involved with textbook instruction. A training simulator with actual live communications/security equipment provides the participant with real hands-on work experience. In addition, each student will receive their own tool package containing the hand tools necessary for the hands-on portions of the training and upon successful completion of the program, will become the property of the student. Job placement assistance is available to all students who have successfully completed their program which includes assistance in resume preparation. When a student has achieved 80% completion of the program, in order to further increase the probability of students attaining employment on or near their completion date, a student is encouraged to review and apply for jobs supplied by Orbit Educational Group, Inc.'s placement assistance department. Upon program completion, if a student still has not secured employment, prospective employers will continue to be notified of available graduates and a continuing effort is made in assisting the student with job placement assistance.

ON-LINE INFORMATION TECHNOLOGY CERTIFICATION TRAINING PROGRAMS

Through a partnership with KnowledgeNet, FSC&TC's Center for Workforce Education is offering cutting-edge, web-based, anytime, anywhere, non-academic credit training for IT professionals leading to industry recognized certification in a variety of information technology areas. Included are over twenty Microsoft Official Curriculum courses included in the following Microsoft certifications; MCP, MCSA 2000, MCSE 2000, MCSA 2003, MCSE 2000, MCDBA, MCAD for Net., MCSA, MCSA for Net. Included are over thirty courses supporting Cisco's core career certifications, including courses in the following Cisco certifications; CCNA, CCNP, CCDA, CCDP, CCSP, CCIE in routing and switching, CCIE in security. Six courses in the CompTIA certification area are included. They are courses supporting CompTIA certification in A-Plus, Linux Plus, Network Plus, Security Plus, I-Net Plus. Included are courses designed to aid in preparation for the Project Management Professional (PMP®) certification exam. PMP® courses combine the concepts presented in the Project Management Body of Knowledge (PMBOK® Guide 2000) with the speed, effectiveness, convenience, and cost savings of live web delivery. These E-learning products are available in two delivery formats; "LIVE" which is an expert-led, live virtual classroom in a synchronous internet "anywhere" delivery with expert instruction and highly interactive. "EXPRESS" which is a recorded, consolidated version of a live course in asynchronous "anytime" web access with anytime access to any course topic. Both versions include official/approved vendor books and materials.

FAST TRACK JOBS TRAINING PROGRAMS

As part of a state wide Community and Technical College System of West Virginia initiative to provide individuals access to quick, convenient job training for positions with companies that are currently hiring. Fairmont State Community & Techni-

cal College is participating in the Fast Track Jobs Program. This Community and Technical College System of West Virginia initiated program for West Virginians "Fast Track Jobs" is based on models from other states. Fast Track Jobs are training programs that can be completed in 90 days or less. Currently, FSC&TC offers the following Fast Track Jobs training programs: Certified Procedural (Professional) Coder and the National Hardwood Lumber Association Lumber Grader Training Program. Additional Fast Track Jobs training programs are being developed.

ADULT LEARNING CENTER

Fairmont State Community and Technical College and Marion County Adult and Community Education are offering support services for the learning needs of students at Fairmont State. Our purpose is to assist students in finding solutions now to build skills for success. Students need strong basic skills and an ability to adapt to change.

Through the Adult Learning Center, students can receive support services in the following areas:

- Enhance skills in mathematics, oral and written communication, and reading to assist with WorkKeys Skills.
- Study for Civil Service Test Preparation and ACT Test Preparation.
- Study to pass the GED (high school equivalency diploma.)
- Gain skills to meet entrance requirements for vocational and other higher educational placement programs.
- Obtain computer skills needed in today's information society.
- Complete career interest inventories and learning style inventories.
- Learn English as a second language.
- Testing for student grade levels in math, reading, and language.

The West Virginia Department of Education recognizes that today's workplace presents numerous opportunities and challenges for adults in West Virginia. It is our aim to effectively serve the foundational learning needs of diverse groups and provide a learning system that is flexible and responsive to the individual needs.

NON-TRADITIONAL STUDENTS

Historically students over the age of 25 have been characterized as "non-traditional". Today more than 47% of college students fall under this non-traditional classification in U.S. higher education. However, non-traditional students or adult learners might be better defined as students who often exhibit one or more of the following seven characteristics:

- Have delayed enrollment into post-secondary education
- Attend part-time
- Are financially independent of parents
- Work full-time while enrolled
- Have dependents other than a spouse
- Are a single parent
- Lack a standard high school diploma

By using these criteria, the National Center for Education Statistics estimates that over 60 percent of students in higher education could be classified as non-traditional.

Over the past two decades, enrollment of adult learners at

Fairmont State has grown in both absolute numbers and in proportion to total enrollment. With this increase, the college recognizes the need for a pro-active approach to meeting the non-traditional student's individualistic and special needs. The unique circumstances of the non-traditional student requires that the college offer special support services in order for these students to achieve academic success and to enhance the students' capacities to become self-directed, lifelong learners.

Students needing assistance should contact the non-traditional student advisor in the Community & Technical College, Room 207 in the Hardway Building.

RESIDENTS OVER 65 YEARS

West Virginia residents over 65 years old are eligible for admission to Fairmont State at a reduced tuition and fee charge. Students taking a course for college credit will be charged 50% of the normal tuition and fees. Students taking a course for no credit will be charged \$50 per course plus applicable fees. Scheduling for classes is based on space availability and course requirements for prerequisites, for more information contact 304-367-4786.

TRANSPORTATION

As most of these programs require considerable student attendance at off-campus locations, it will be the student's responsibility to provide transportation to all clinical affiliates. The utilization of car pools, when appropriate, is encouraged to help meet the expense of those providing transportation.

LIABILITY INSURANCE

Students in Nursing and Allied Health programs are covered by a group liability insurance handled by the State of West Virginia. The students are not obligated to maintain any other liability insurance.

LABORATORY PRESCHOOL

The Early Childhood Associate of Applied Science Program provides a half-day preschool program for children of students, faculty, staff and the community. The three year old class meets from 8:30 to 11:00 on Tuesday and Thursday. Parents may select one of two classes available on Monday, Wednesday and Friday for four-year-old children. the classes are 8:30 to 11:00 and 12:00 to 2:30. Classes are held in room 124 of the Education Building. The preschool is provided during fall and spring semesters when FSC classes are in session.

The preschool is a licensed center and serves as a model early childhood program training facility. Financial assistance from the Department of Health and Human Resources may be available for families meeting eligibility requirements. For more information, contact the Early Childhood Program Coordinator at 367- 4588.

WORKKEYS

The state mandates that students completing programs in the Community and Technical College take the WorkKeys assessment prior to graduation. This instrument measures skills

acquired in the education process. There is no fee involved. Students will receive a summary of their results. WorkKeys results are frequently used in hiring decisions by several national corporations. Students with these results could have an advantage in the job market.

COMMUNITY EDUCATION

■ (304) 367-0436

Fairmont State Community & Technical College's Community Education Program operates out of Fairmont State's Merchant Street Facility in Downtown Fairmont. The mission of the Community Education Program is to provide lifelong learning opportunities and expand the learning community of Fairmont State, through educational, cultural, economic, social and recreational activities.

Community Education courses consist of short term, non-credit classes and programs, serving all age groups from children to senior citizens, for leisure learning and personal growth. Lifelong learning is one of the most widely used buzzwords for the 21st century and FSC&TC's Community Education Program goal is to serve all members of the community with continued learning opportunities.

Examples of programs offered through Community Education include computer classes, language courses, painting, drawing, pottery, financial planning, tole painting, embroidery, quilting, woodcarving, cake decorating, CPR and first aid, photography, home repairs, landscaping, upholstery, self-defense, genealogy, parenting workshops and many more.

Programs of Study

ACCOUNTING PARAPROFESSIONAL

(Skill Set)

■ Nancy Lawler

127 Colebank Hall / (304) 367-4731

nlawler@fairmontstate.edu

■ Donna Snyder

131 Colebank Hall / (304) 367-4188

dsnyder@fairmontstate.edu

This program prepares students to perform bookkeeping functions in business offices. These functions could include payroll, accounts payable/receivable, purchase orders, inventory control records, and sales records.

REQUIRED COURSES:

- Accounting Paraprofessional 18 sem. hrs.

ACCT	2201	Principles of Accounting I.....	3
ACCT	2202	Principles of Accounting II.....	3
ACCT	2217	Concepts of Computerized Accounting.....	3
BUSN	1141	Business Mathematics.....	3
FINC	2201	Introduction to Financial Management.....	3
INFO	2220	Spreadsheet Design.....	3

For Accounting Associate Degree see Business Technology

ADMINISTRATIVE ASSISTANT

(Skill Set)

■ Nancy Lawler

127 Colebank Hall / 367-4731

nlawler@fairmontstate.edu

■ Donna Snyder

131 Colebank Hall / 367-4188

dsnyder@fairmontstate.edu

This program is designed to help individuals sharpen their skills for today's office setting. It is also designed to assist individuals who are making the transition from secretarial to administrative assistant/supervisory positions.

REQUIRED COURSES:

- Administrative Assistant..... 18 sem. hrs.

BUSN	1102	Introduction to Business.....	3
BUSN	2251	Corporate Communications.....	3
MGMT	2209	Principles of Management.....	3

Computation/Math Skills (Choose 1 course):

ACCT	2201	Principles of Accounting I.....	3
BUSN	1141	Business Mathematics.....	3
INFO	2220	Spreadsheet Design.....	3

Computer Skills (Choose 2 courses):

INFO	1100	Computer Concepts and Applications.....	3
INFO	2235	Microcomputer Applications in Business.....	3
OFAD	2230	Introduction to Word Processing.....	3

ADMINISTRATIVE SUPPORT

(Associate of Applied Science)

■ Nancy Lawler

127 Colebank Hall / (304) 367-4731

nlawler@fairmontstate.edu

■ Donna Snyder

131 Colebank Hall / (304) 367-4188

dsnyder@fairmontstate.edu

The work environment has undergone drastic changes in the past few years. Among these changes is the role of the administrative support person in the workplace. This role has expanded into one that is broader in scope and requires more critical thinking, organizational, and decision-making abilities than ever before. The administrative assistant must also be proficient in major computer applications found in suite software, such as word processing, electronic presentations, spreadsheets, and database applications. The two-year Administrative Support program provides students with the updated skills and abilities that are expected of today's office support personnel.

- Administrative Support..... 66 sem. hrs.

- Required Courses..... 60 sem. hrs.

ACCT	2201	Principles of Accounting I.....	3
BUSN	1102	Introduction to Business.....	3
BUSN	1141	Business Mathematics.....	3
BUSN	2210	Human Relations in Business.....	3
BUSN	2251	Corporate Communications.....	3
ENGL	1104	Written English.....	3
ENGL	1109	Technical Report Writing.....	3
FINC	2230	Financial Literacy.....	3
INFO	1100	Computer Concepts and Applications.....	3
INFO	2220	Spreadsheet Design.....	3
MGMT	2214	Office Management.....	3
OFAD	2230	Introduction to Word Processing.....	3
OFAD	2232	Word Processing Applications.....	3
OFAD	2233	Database Applications.....	3
OFAD	2240	Administrative Office Procedures.....	3
OFAD	2241	Workplace Productivity.....	3
OFAD	2242	Professional Internship and Portfolio Development.....	3
OFAD	2250	Desktop Publishing.....	3
PSYC	1101	Introduction to Psychology.....	3
SPCH	1100	Speech Communications.....	3

Choose an additional 6 hours from the following:

ACCT	2202	Principles of Accounting II.....	3
INFO	2200	Fundamentals of Information Systems.....	3
INFO	2225	Fundamentals of Web Design.....	3
Elective (Advisor approval required).....			3

(see model next page)

• Model Schedule 66 sem. hrs.

FRESHMAN FIRST SEMESTER

ACCT	2201	Principles of Accounting I.....	3
BUSN	1102	Intro. to Business	3
BUSN	1141	Business Math.....	3
ENGL	1104	Written English I.....	3
INFO	1100	Computer Concepts & Application.....	3
			15

FRESHMAN SECOND SEMESTER

BUSN	2210	Human Relations in Business.....	3
ENGL	1109	Technical Report Writing.....	3
FINC	2230	Financial literacy	3
OFAD	2230	Intro. to Word Processing.....	3
PSYC	1101	Intro. to Psychology.....	3
SPCH	1100	Intro. to Speech Communication	3
			18

SOPHOMORE FIRST SEMESTER

BUSN	2251	Corporate Communications	3
OFAD	2232	Word Processing Applications	3
OFAD	2233	Database Applications.....	3
OFAD	2240	Adm. Office Procedures	3
OFAD	2250	Desktop Publishing	3
OFAD	Elective		3
			18

SOPHOMORE SECOND SEMESTER

INFO	2220	Spreadsheet Design.....	3
MGMT	2214	Office Management.....	3
OFAD	2241	Workplace Productivity	3
OFAD	2242	Prof. Intern. & Port. Dev.	3
OFAD	Elective.....		3
			15

AMERICAN SIGN LANGUAGE COMMUNICATION

(One Year Certificate)

■ Ruby Losh

303b Jaynes Hall

rlosh@fairmontstate.edu

Students must make significant strides toward developing target language skills in American Sign Language before they begin the process of learning how to interpret between spoken English and ASL and between ASL and spoken English. This one-year immersion certificate(or equivalent coursework) is required before students can apply for admission into the Interpreter Training Program.

• American Sign Language Communication..... 33 sem. hrs.

FRESHMAN FIRST SEMESTER

AMSL	1111	American Sign Language I (8 Weeks).....	3
AMSL	1199	Lab for AMSL 1111.....	0
AMSL	1112	American Sign Language II (8 Weeks).....	3
AMSL	1119	Lab for AMSL 1112.....	0
AMSL	1101	Deaf Culture and History.....	3
AMSL	1120	Field Experience.....	3
ENGL	1104	Written English I.....	3
General Studies (Recommend PSYC 1101 or SOCY 1100).....			3
			18

FRESHMAN SECOND SEMESTER

AMSL	1113	American Sign Language III (8 Weeks).....	3
AMSL	1199	Lab for AMSL 1113.....	0

AMSL	1114	American Sign Language IV (8 Weeks)	3
AMSL	1199	Lab for AMSL 1114.....	0
AMSL	1104	ASL Fingerspelling	3
AMSL	1130	Interpreting Theory.....	3
ENGL	1108	Written English II.....	3
-or-			
ENGL	1109	Technical Report Writing.....	3
			15

See also Interpreter Training Associate Degree

APPLIED DESIGN

(Associate of Applied Science)

Fashion Design & Merchandising

■ Dr. Beth Newcome, Program Coordinator and Advisor
137 Education Building / (304) 367-4298
bnewcome@fairmontstate.edu

Fashion Design and Merchandising is an option in the Associate degree in Applied Design. This program includes the study of apparel design, historical costume as design inspiration, the business of fashion retailing, visual merchandising and computer design for manufactured apparel. Classroom and studio work are combined with an on-the job work experience in area businesses. The learning experience goes beyond the classroom to include fashion show production and field trips. At the associate degree level, the Fashion program prepares students to pursue careers in the fashion design business, apparel buying at the retail and wholesale level, fashion department managers in department stores, fashion boutiques or retail firms, window display merchandizing, and independent apparel shop ownership. On top of strong job prospects, competitive salaries also await Fashion graduates. New graduates with an associate degree can earn a starting salary of \$20,000 to \$30,000 annually. This program can be articulated into a 2+2 program with the Bachelor of Science degree in Family and Consumer Sciences, with a major in Fashion Merchandising and a minor in Retail Management, without loss of credit through Fairmont State University.

• AAS Required Courses 64 sem. hrs.

APPD	1101	Prin Clothing Construction.....	3
APPD	1102	Apparel Design	3
APPD	1103	Clothing and Culture.....	3
APPD	1115	Intro Fashion Industry.....	3
APPD	1116	History of Contemp Fashion.....	3
APPD	1151	Design Concepts.....	3
APPD	2202	Advanced Apparel Design or	
APPD	2295	Guided Design Seminar.....	4
APPD	2210	Textiles	3
APPD	2217	Visual Merchandising.....	3
APPD	2275	Applied Design Practicum	4
BUSN	1102	Intro to Business	3
BUSN	1141	Business Math	3
BUSN	2205	Small Business Fundamentals	3
BUSN	2251	Corporate Communications	3
ENGL	1104	Written English I.....	3
(PR: ACT 18 or ENGL 0097)			
ENGL	1108	Written English II.....	3
(PR: "C" in ENGL 104)			
FINE ARTS		Fine Arts Appreciation.....	3
ART 1120, MUSI 1120, or THEA 1120			

Graphics Elective	3
INFO 1100 Computer Concepts & App	3
SOCY 1110 Introductory Sociology	3

• **Fashion Design Minor** 21 sem. hrs.

APPD 1102 Apparel Design	3
APPD 1115 Introduction to the Fashion Industry	3
APPD 1116 History of Contemporary Fashion	3
APPD 1151 Design Concepts	3
APPD 2217 Visual Merchandising	3
APPD 1101 Principles of Clothing Construction	3
APPD 2210 Textiles	3

• **Model Schedule** 64 sem. hrs.

FRESHMAN FIRST SEMESTER

APPD 1115 Intro Fashion Industry	3
APPD 1116 History of Contemp Fashion	3
APPD 1151 Design Concepts	3
ENGL 1104 Written English I	3
(PR: ACT 18 or ENGL 0097)	
INFO 1100 Computer Concepts & App	3
	15

FRESHMAN SECOND SEMESTER

APPD 1101 Prin Clothing Construction	3
APPD 2210 Textiles	3
APPD 1102 Apparel Design	3
BUSN 1102 Intro to Business	3
Fine Arts Appreciation	3
ART 1120, MUSI 1120, or THEA 1120	
ENGL 1108 Written English II	3
(PR: "C" in ENGL 1104)	
	18

SOPHOMORE FIRST SEMESTER

APPD 1103 Clothing and Culture	3
APPD 2275 Applied Design Practicum (PR: APPD 1115)	4
BUSN 1141 Business Math	3
SOCY 1110 Introductory Sociology	3
Graphics Elective	3
	16

SOPHOMORE SECOND SEMESTER

APPD 2217 Visual Merchandising	3
APPD 2202 Advanced Apparel Design (PR: APPD 1102)	4
-or-	
APPD 2295 Guided Design Seminar (PR: APPD 1102)	4
BUSN 2205 Small Business Fundamentals	3
BUSN 2251 Corporate Communications	3
Graphics Elective	3
	16

Interior Design

■ **Dr. Beth Newcome, Program Coordinator and Advisor**
137 Education Building / (304) 367-4298
bnewcome@fairmontstate.edu

The Interior Design program prepares students for professional service in residential and/or commercial design work. Students have various opportunities to explore and apply principles and elements of interior design and to create functional and aesthetic interior environments. Interior Design includes a study of design, space planning, construction materials, technical rendering, universal access, and presentation skills, in conjunction with a business orientation. Classroom and studio

work are combined with an on-the job work experience in area businesses. The learning experience goes beyond the classroom to include actual client projects, and design competition through the student chapter of ASID. The student chapter of ASID (American Society of Interior Designers) offers additional development experiences for students who want to pursue professional certification after graduation. This program, at both the associate and bachelors level, meets all academic requirements for ASID professional registration and can be articulated into a 2+2 program with the Bachelor of Science degree in Family and Consumer Sciences, with a major in Interior Design with additional study in Architectural Design and AutoCAD, at Fairmont State University, without loss of credit.

• **Required Courses** 64 sem. hrs.

APPD 1140 Intro to Interior Design	3
APPD 1151 Design Concepts	3
APPD 2210 Textiles	3
APPD 2240 Residential Design	4
APPD 2275 Applied Design Practicum	4
APPD 2217 Visual Merchandising	3
APPD 2260 Contract Design	4
APPD 2250 Design in Home Furnishings	3
ARCH 1130 Architectural History I	3
BUSN 1102 Intro to Business	3
BUSN 1141 Business Math	3
BUSN 2205 Small Business Fundamentals	3
DRAF 2200 Fundamentals of CAD	3
DRAF 2215 Architectural Drafting	4
DRAF 2245 Architecture Design	3
ENGL 1104 Written English I	3
ENGL 1108 Written English II	3
Fine Arts Appreciation	3
(ART 1120, MUSC 1120, or THEA 1120)	
INFO 1100 Computer Concept & App	3
SOCY 1110 Intro Sociology	3

• **Model Schedule** 64 sem. hrs.

FRESHMAN FIRST SEMESTER

APPD 1140 Intro. to Interior Design	3
APPD 1151 Design Concepts	3
BUSN 1102 Intro. to Business	3
ENGL 1104 Written English I (PR: ACT 18 or ENGL 0097)	3
INFO 1100 Computer Concepts & App.	3
	15

FRESHMAN SECOND SEMESTER

APPD 2210 Textiles	3
APPD 2250 Design in Home Furnishings	3
DRAF 2200 Fundamentals of CAD (PR: INFO 1100)	3
ENGL 1108 Written English II (PR: "C" in ENGL 1104)	3
	15

SOPHOMORE FIRST SEMESTER

APPD 2240 Residential Design (PR: APPD 1140)	4
APPD 2275 Applied Design Practicum (PR: APPD 1140)	4
ARCH 1130 Architectural History I	3
BUSN 1141 Business Math	3
DRAF 2215 Architectural Drafting (PR: DRAF 2200)	4
	18

SOPHOMORE SECOND SEMESTER

APPD 2217 Visual Merchandising	3
APPD 2260 Contract Design (APPD: 1140)	4
BUSN 2205 Sm. Business Fundamentals	3

Fine Arts Appreception.....	3
ART 1120, MUSC 1120, or THEA 1120	
DRAF 2245 Architecture Design (PR: DRAF 2200).....	3
	16

ARCHITECTURAL ENGINEERING TECHNOLOGY (Associate of Science)

(SEE FAIRMONT STATE UNIVERSITY CATALOG)

AIRFRAME AND AEROSPACE ELECTRONICS TECHNOLOGY (Associate of Applied Science)

Proposed program with anticipated approval Spring Term 2005

■ Pieter H. Blood

119 National Aerospace Education Center, Bridgeport, WV
842-8300

pblood@fairmontstate.edu

• Model Schedule 72 sem. hrs.

FRESHMAN FIRST SEMESTER

AVIO 2208	Avionics Maintenance Practices	3
AVMT 1101	Intro. to Aviation Maintenance	3
AVMT 1102	Aircraft Regulations & Publications	3
AVMT 1103	Aviation Shop Practices.....	3
MATH 1101	Applied Technical Math (FAA required)	3
		15

FRESHMAN SECOND SEMESTER

AVIO 1102	Princ. of Radio & Trans. Rec.	3
AVMT 1105	Aircraft Utility Systems.....	3
AVMT 1109	Aviation Electronics.....	3
AVMT 2202	Aircraft Sheet Metal.....	3
ENGL 1104	Written English	3
		15

FRESHMAN SUMMER 1

AVIO 2202	Instrument Landing.....	3
Social Science Elective		3

FRESHMAN SUMMER 2

AVMT 2206	Aircraft Fluid Power and Landing Gear Sys. ...	3
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SOPHOMORE FIRST SEMESTER

AVIO 1110	Aircraft Power Gen. & Dist. Sys.....	3
AVIO 2200	Electronic Flight Management.....	3
AVIO 2204	Aircraft Navigation Systems	3
AVMT 2209	Airframe Inspection & Flight Controls	3
COMP 1101	Applied Technical Programming	3
		15

SOPHOMORE SECOND SEMESTER

AVIO 2206	Aircraft Comm. Systems.....	3
AVIO 2209	Aircraft Pulse & Radar.....	3
AVMT 2208	Cabin Atmosphere Control.....	3
AVMT 2210	Non-Metallic Structures.....	3
ENGL 1109	Technical Report Writing.....	3
		15

SOPHOMORE SUMMER 1

AVIO 2210	FCC License Prep	3
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SOPHOMORE SUMMER 2

AVMT 2299	FAA Capstone Review Class (not required)	3
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Notes to Degree Plan:

1. The AVMT 2299 FAA Capstone Review Class is offered both Summer 1 and Summer 2 of each year to prepare second-year AMT Majors for taking the FAA written, oral and practical A & P certification exams. This class, while highly recommended, is not an FAA certificate requirement.
2. All First Semester classes (AVMT 1101, 1102, & 1103) are pre-requisites for all subsequent classes.
3. MATH 1101 is a requirement of the FAA Part 147 curriculum and a co-requisite of all subsequent classes.
4. Must achieve a "C" grade or better in all AVMT and AVIO classes to graduate.

AVIATION MAINTENANCE TECHNOLOGY (Associate of Applied Science)

■ Pieter H. Blood

119 National Aerospace Education Center, Bridgeport, WV
842-8300

pblood@fairmontstate.edu

The Aviation Maintenance Technology program prepares graduates for careers as qualified maintenance technicians with airlines; fixed base operations, repair stations or aircraft manufacturers. This program is approved by the Federal Aviation Administration and meets the requirements for Federal Aviation Regulation 147.

• Aviation Maintenance Technology 68 sem. hrs.

AVMT 1101	Intro. to Aviation Maintenance.....	3
AVMT 1102	Aircraft Basic Science.....	3
AVMT 1103	Aviation Shop Practices.....	3
AVMT 1105	Aircraft Utility Systems.....	3
AVMT 1106	Aircraft Information Systems.....	3
AVMT 1109	Aircraft Electronics.....	3
AVMT 2201	Reciprocating Engines & Systems.....	3
AVMT 2202	Aircraft Sheet Metal Structures	3
AVMT 2203	Reciprocating Engine Maintenance & Return to Service.....	5
AVMT 2204	Propeller Systems	3
AVMT 2205	Turbine Engines and Systems	3
AVMT 2206	Aircraft Fluid Power & Landing Gear Systems	3
AVMT 2207	Turbine Engine Maintenance & Inspection....	3
AVMT 2208	Cabin Atmosphere Control Systems.....	3
AVMT 2209	Aircraft Flight Control Systems	3
AVMT 2210	Non-Metallic Structures.....	3
AVIO 1110	Aircraft Power Generation and Distribution Systems	3
INFO 1100	Computer Concepts & Applications	3
ENGL 1104	Written English I ("C" or better)	3
ENGL 1109	Technical Report Writing.....	3
MATH 1101	Applied Technical Math I	3
Social Sciences Elective		3

• Model Schedule 68 sem. hrs.

FRESHMAN FIRST SEMESTER

AVMT 1101	Introduction to Aviation Maintenance.....	3
AVMT 1102	Aircraft Regulations & Publications.....	3
AVMT 1103	Aviation Shop Practices.....	3
INFO 1100	Computer Concepts & Applications	3
MATH 1101	Applied Technical math (FAA required)	3

15

FRESHMAN SECOND SEMESTER

AVMT	1105	Aircraft Utility Systems.....	3
AVMT	1109	Aviation Electronics Aircraft.....	3
AVMT	2201	Reciprocating Engines & Systems.....	3
AVMT	2202	Aircraft Sheet Metal.....	3
ENGL	1104	Written English ("C" or better)	3
			15

FRESHMAN SUMMER 1

AVMT	2204	Aircraft Propeller & Control Systems	3
or			
AVMT	2206	Aircraft Fluid Power & Landing Gear	3

FRESHMAN SUMMER 2

AVMT	2204	Aircraft Propeller & Control Systems	3
or			
AVMT	2206	Aircraft Fluid Power & Landing Gear	3

SOPHOMORE FIRST SEMESTER

AVIO	1110	Aircraft Power Generation & Distribution.....	3
AVMT	2203	Recip. Engine Maint. & Return to Service	5
AVMT	2205	Turbine Engines & Systems	3
AVMT	2209	Airframe Inspection & Flight Control Syst.....	3
ENGL	1109	Technical Report Writing.....	3
			17

SOPHOMORE SECOND SEMESTER

AVMT	1106	Aircraft Information Systems.....	3
AVMT	2207	Turbine Engine Maintenance & Inspection.....	3
AVMT	2208	Cabin Atmosphere Control System	3
AVMT	2210	Non-Metallic Structures.....	3
Social Science Elective			3
			15

SOPHOMORE SUMMER 1

AVMT	2299	FAA Capstone Review Class (<i>not required</i>)	3
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SOPHOMORE SUMMER 2

AVMT	2299	FAA Capstone Review Class (<i>not required</i>)	3
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Notes to Degree Plan:

1. The AVMT 2299 FAA Capstone Review Class is offered both Summer 1 and Summer 2 of each year to prepare second-year AMT Majors for taking the FAA written, oral and practical A & P certification exams. This class, while highly recommended, is not an FAA certificate requirement.
2. All First Semester classes (AVMT 1101, 1102, & 1103) are prerequisites for all subsequent classes.
3. MATH 1101 is a requirement of the FAA Part 147 curriculum and a co-requisite of all subsequent classes.

AVIATION TECHNOLOGY

■ Pieter H. Blood

119 National Aerospace Education Center, Bridgeport, WV
842-8300

pblood@fairmontstate.edu

The Bachelor of Science in Aviation Technology is offered to students whose career objective is the management and operation of airside activities in the aviation industry. The program provides the graduate with technical competence in an aviation related career as well as the skills needed to assume supervisory responsibilities. There are three areas of specialization in this degree: Airway Science Technology, Aviation Administration with a Flight option, Aviation Maintenance Management, and Avionics Maintenance Management.

• Aviation Common Core27-30 sem. hrs.

AVMA	3301	Aviation History.....	3
AVMA	3302	Aviation Law	3
AVMA	3303	Airline Operations	3
AVMA	3304	Aviation Maintenance Management.....	3
AVMA	3305	General Aviation Operations	3
AVMA	3307	Aviation Safety	3
AVMA	4402	Fiscal Aspects of Aviation Management	3
MANF	*2250	Total Quality and SPC	3
MGMT	2209	Principles of Management	3
MGMT	3390	Human Behavior in Organizations	3

**Not required for the Aviation Maintenance Management Option*

Aviation Administration 133 sem. hrs.

This option prepares the student for employment in administrative areas with companies in and related to the aviation industry. Typical positions include airport manager, flight dispatcher, station management, flight scheduler, crew coordinator, air cargo administration, aviation marketing and air traffic controller.

- Aviation Common Core 30 sem. hrs.
- Technical Specialty Courses..... 76 sem. hrs.
- Additional Liberal Studies Courses..... 21 sem. hrs.

Technical Specialty Courses and General Studies

ACCT	2201	Principles of Accounting	3
AVMA	1100	Aircraft Flight Theory.....	3
AVMA	1102	Introduction to Air Traffic Control	3
AVMA	2210	Aviation Meteorology	3
AVMA	2211	Airport Management.....	3
AVMA	2213	Airport Planning and Development.....	3
AVMA	2214	Advanced Air Traffic Control.....	3
BUSN	3310	Business Statistics	3
ECON	2200	Economics	3
ENGL	1104	Written English I.....	3
ENGL	1108	Written English II.....	3
ENGL	1109	Technical Report Writing.....	3
INFO	1100	Computer Concepts	3
COMP	1101	Applied Technical Programming	3
MKTG	2204	Marketing	3
MATH	1101	Applied Technical Mathematics I.....	3
MATH	1102	Applied Technical Mathematics II	3
MGMT	4405	Operations Management.....	3
PHED	1100	Physical Education & Wellness.....	2
PSYC	1101	Introduction to Psychology.....	3
PHYS	1101	Introduction to Physics.....	4
PHYS	1102	Introduction to Physics.....	4
SFTY	1100	Safety & Envir. Components of Industry	3
SFTY	1150	Safety Mgt. and Concepts in Accident Prevention	3
Society/Human Interactions Elective			3
SPCH	3369	Communication in Organizations	3
or			
AVMA	2206	Aviation Security.....	3
Aviation Electives			9

Flight Options:

Students will substitute the following courses in lieu of AVMA 1100, 2210, and 3399 for a Flight Option in the Aviation Administration degree.

AVMA	1101	Private Pilot Technology.....	3
AVMA	2201	Instrument Pilot Technology.....	3
AVMA	3300	Commercial Pilot Technology	3

+Flight Fees for students to obtain their private, commercial, or instrument license must be paid in the amount of \$5,700.00 during the semester in which you enroll in the class.

Aviation Administration Minor 21 sem. hrs.

AVMA	1100	Aircraft Flight Theory.....	3
AVMA	1102	Introduction to Air Traffic Control.....	3
AVMA	2211	Airport Management.....	3
AVMA	3303	Airline Operations.....	3
AVMA	3305	General Aviation Operations.....	3

Select two courses from the following:

AVMA	2213	Airport Planning and Development.....	3
AVMA	3301	Aviation History.....	3
AVMA	3302	Aviation Law.....	3
AVMA	3307	Aviation Safety.....	3
AVMA	4401	Trends & Current Issues in Aviation.....	3

Flight Minor 18 sem. hrs.

AVMA	1101	Private Pilot Technology.....	3
AVMA	3301	Aviation History.....	3
AVMA	3302	Aviation Law.....	3
AVMA	3305	General Aviation Operations.....	3

Select two courses from the following:

AVMA	2211	Airport Management.....	3
AVMA	2213	Airport Planning and Development.....	3
AVMA	2214	Advanced Air Traffic Control.....	3
AVMA	3303	Airline Operations.....	3
AVMA	3307	Aviation Safety.....	3

Aviation Maintenance Management 136 sem. hrs.

This option prepares the student for entry level management positions in the maintenance field with airlines, aviation manufacturers, repair stations, and fixed based operators. All graduates must have obtained the FAA Airframe and Powerplant License. This program is approved by the Federal Aviation Administration and meets the requirements of Federal Aviation Regulation 147.

- Aviation Common Core 27 sem. hrs.
- Technical Specialty Courses..... 88 sem. hrs.
- Additional Liberal Studies Courses..... 21 sem. hrs.

Technical Specialty Courses

AVMT	1101	Intro. to Aviation Maintenance.....	3
AVMT	1102	Aircraft Basic Science.....	3
AVMT	1103	Aviation Shop Practices.....	3
AVMT	1105	Aircraft Utility Systems.....	3
AVMT	1106	Aircraft Information Systems.....	3
AVMT	1109	Aircraft Electronics.....	3
AVMT	2201	Reciprocating Engines and Systems.....	3
AVMT	2202	Aircraft Sheet Metal Structures.....	3
AVMT	2203	Reciprocating Engine Maintenance and Return to Service.....	5
AVMT	2204	Propeller Systems.....	3
AVMT	2205	Turbine Engines and Systems.....	3
AVMT	2206	Aircraft Fluid Power Landing Gear Systems.....	3
AVMT	2207	Turbine Engine Maintenance and Return to Service.....	3
AVMT	2208	Cabin Atmosphere Control Systems.....	3

AVMT	2209	Aircraft Flight Control Systems.....	3
AVMT	2210	Non Metallic Structures.....	3
AVMA	4404	Advanced Composite Structures or	
AVMA	4405	Advanced Non Destructive Testing.....	3
Aviation	Elective		3
AVIO	1110	Aircraft Power Generation and Distribution Systems.....	3
ECON	2200	Economics.....	3
ENGL	1109	Technical Report Writing.....	3
COMP	1101	Applied Technical Programming.....	3
MATH	1101	Applied Technical Mathematics I.....	3
MATH	1102	Applied Technical Mathematics II.....	3
PHYS	1101	Introduction to Physics I.....	4
PHYS	1102	Introduction to Physics II.....	4
PSYC	1101	Introduction to Psychology.....	3
SOCY	1110	Introductory Sociology.....	3

Avionics Minor* 20 sem. hrs.

AVIO	1102	Principles of Radio Transmitters and Receivers.....	3
AVIO	2200	Electronic Flight Management Systems.....	3
AVIO	2202	Instrument Landing Systems.....	3
AVIO	2204	Aircraft Navigation Systems.....	3
AVIO	2206	Aircraft Communication Systems.....	3
AVIO	2209	Aircraft Pulse and Radar Systems.....	3
AVIO	2210	FCC License Preparation.....	2

* Restricted to Electronics Engineering Technology Majors

BALLROOM DANCING CERTIFICATE PROGRAM

(Skill Set Certificate)

■ **Dr. Michael Fulda, Professor and Program Coordinator**
110 Hardway Hall / 367-4674
mfulda@fairmontstate.edu

This certificate of completion program is offered Fairmont State Community and Technical College and consists of courses totaling 20 credit hours providing background, performance and instruction skills in the art of ballroom social dancing. This certificate will prepare students to further earn a teaching or performance certificate accredited by the US Imperial Society of Teachers of Dancing (ISTD) granted by passing examinations of theory and tests of proficiency in front of a visiting licensed examiner.

REQUIRED COURSES:

- **Ballroom Dancing Certificate Program** 20 sem. hrs.

DANC	1100	Introduction to Social Ballroom Dancing*.....	2
DANC	1107	Introduction to Dance*.....	2
DANC	1110	Ballroom Dancing Culture and Behavior.....	1
DANC	1120	Ballroom Dancing Stage Craft.....	1
DANC	1130	Ballroom Dancing Rhythm and Repertoire.....	1
DANC	1140	Ballroom Dancing Instruction Practicum.....	3
DANC	1150	Ballroom Dancesport Bronze Level.....	2
DANC	2200	Ballroom Dancesport Silver Level.....	2
DANC	2230	Ballroom Dancesport Competition Judging.....	1
DANC	2250	Ballroom Dancesport Gold Level.....	2
DANC	2270	Ballroom Dancing Competitive Experience.....	3

* Student may tested out

BOARD OF GOVERNORS

(Associate in Applied Science Degree)

■ Jan Willimas, Program Coordinator/Advisor
245 Hardway Hall / 367-4707
jwilliams@fairmontstate.edu

The Board of Governors A.A.S. Degree offers busy adults an opportunity to complete a two year college degree with a technical or occupational focus. It is a flexible degree plan that can help adults achieve their educational goals and save students both dollars and hours by awarding college credit for documented work and life-learning experiences. The educational plan can be individualized and the pace of completion set by the student. There is no special fee for enrollment in this program but a special application form is required. Students will work closely with the Program Coordinator in planning and completing this special degree program.

- Board of Governors (with minimum 2.00 GPA) 60 sem. hrs.
- Component I - General Education* 21 sem. hrs.
 - Communications..... 6
 - Mathematics/Science..... 6
 - Computer Literacy 3
 - Social Sciences 6
- Component II - General Electives 39 sem. hrs.

This component may consist of credit hours from the following options: electives; area of emphasis with technical or occupational focus (minimum 15 hours required); portfolio development and submission (tied to existing courses); CLEP and DANTES exams, military credits, challenge exams, and/or special assessment of licensure/certifications or formal training programs. There is a fee attached to evaluation of portfolio and standardized awards.

* Course options for completion of general education core:

Communications:

English 1104,1108, 1109; Speech 1100

Mathematics and/or Sciences:

Math 1107, 1111, 111; Science 1199, Biology 1105, Chemistry 1101, 1110, Physics 1101, Geology 1101

Computer Literacy:

Information Systems 1100, CS 1100, CS 1101

Social Sciences:

History 1107, 1108, 2211, 2212, 2213, Sociology 1100; Po Sci 1103; Psychology 1101; Geography 2210; Economics 2200

Special Notes:

1. This program is available to students who have graduated from high school two or more years prior to enrollment. For those students who earned their GED certificate, it must be two years from the date their class would have graduated.
2. To fulfill residency requirements a minimum of 12 credit hours must be completed from a regionally accredited higher educational institution.
3. A minimum of 15 credit hours are required for an Area of Emphasis (optional). For more information on approved areas of emphasis, contact the Coordinator.
4. Students desiring to submit portfolio(s) for credit evaluation must meet with the Program Coordinator for direction and must be enrolled in the program.

5. Students seeking college credit for certifications/licenses/training approved by the State Board of Governors Degree Program must meet with the Program Coordinator and provide official copies of certifications/licenses/training.
6. The BOG degree will articulate with the WV Regents Bachelor of Arts Degree.

BUSINESS TECHNOLOGY

(Associate of Applied Science)

■ Nancy Lawler

127 Colebank Hall / 367-4731
nlawler@fairmontstate.edu

■ Donna Snyder

131 Colebank Hall / 367-4188
dsnyder@fairmontstate.edu

The A.A.S. degree in Business Technology is designed to offer students two areas of concentration: Accounting and General Business.

The objective of the associate degree program in business is twofold: (a) to provide individuals with an opportunity to develop job-related skills while concurrently increasing awareness of their roles and responsibilities toward society and their profession, and (b) to meet the educational needs of the community by helping meet the requirements for trained manpower in the service region of the College. Specifically, the program is designed to allow students to select from associate degree program options that will provide them with the necessary skills to function professionally in the area(s) selected or to continue their studies in a four year program.

- Business Technology 66 sem. hrs.
- Required Core Courses 42 sem. hrs.

ACCT	2201	Principles of Accounting I	3
ACCT	2202	Principles of Accounting II.....	3
BUSN	1102	Introduction to Business	3
BUSN	1141	Business Mathematics	3
BUSN	2210	Human Relations in Business.....	3
BUSN	2251	Corporate Communications	3
ECON	2201	Economic Principles and Problems I.....	3
ENGL	1104	Written English I.....	3
ENGL	1109	Technical Report Writing.....	3
FINC	2201	Introduction of Financial Management	3
FINC	2230	Financial Literacy.....	3
INFO	1100	Computer Concepts and Applications.....	3
INFO	2235	Microcomputer Applications in Business	3
SPCH	1100	Speech Communications	3

Accounting Specialization

- Business Core 42 sem. hrs.
- Required Courses 18 sem. hrs.

ACCT	2215	Managerial Accounting.....	3
ACCT	2216	Income Tax Procedures.....	3
ACCT	2217	Concepts of Computerized Accounting.....	3
ACCT	2242	Professional Intern. & Portfolio Dev.....	3
ACCT	2290	Specialized Accounting Topics.....	3
INFO	2220	Spreadsheet Design.....	3

Select an additional 6 hours from the following:

BUSN	2205	Small Business Fundamentals	3
INFO	2200	Fundamentals of Information Systems.....	3
MGMT	2214	Office Management.....	3
OFAD	1100	Microcomputer Keyboarding.....	3
Elective	(Advisor approval required)		3

• Model Schedule 66 sem. hrs.

FRESHMAN FIRST SEMESTER

ACCT	2201	Principles of Accounting I.....	3
BUSN	1102	Intro. to Business	3
ECON	2201	Econ. Prin. & Prob. I	3
ENGL	1104	Written English I.....	3
INFO	1100	Computer Concepts & Applications	3
			15

FRESHMAN SECOND SEMESTER

ACCT	2202	Principles of Accounting II.....	3
BUSN	1141	Business Math.....	3
ENGL	1109	Technical Report Writing.....	3
FINC	2201	Intro. to Financial Mgmt.....	3
BUSN	2210	Human Relations in Business	3
			15

SOPHOMORE FIRST SEMESTER

ACCT	2215	Managerial Accounting	3
ACCT	2217	Concepts of Computer Accounting.....	3
BUSN	2251	Corporate Communications	3
FINC	2230	Financial Literacy	3
INFO	2235	Micro. Appls. in Business	3
ACCT	Elective		3
			18

SOPHOMORE SECOND SEMESTER

ACCT	2216	Income Tax Procedures	3
ACCT	2242	Prof. Intern. & Port. Dev.	3
ACCT	2290	Specialized Acct. Topics	3
INFO	2220	Spreadsheet Design.....	3
SPCH	1100	Intro. to Speech Comm.	3
ACCT	Elective		3
			18

General Business Specialization

- Business Core 42 sem. hrs.
- Required Courses..... 12 sem. hrs.

BUSN	2205	Small Business Fundamentals	3
ECON	2202	Economic Principles & Problems II.....	3
MKTG	2204	Principles of Marketing	3
MGMT	2209	Principles of Management	3

Select an additional 12 hours from the following:

INFO	2200	Fundamentals of Information Systems.....	3
INFO	2220	Spreadsheet Design.....	3
INFO	2225	Fundamentals of Web Design.....	3
MGMT	2214	Office Management.....	3
MKTG	2205	Salesmanship & Sales Management.....	3
OFAD	2233	Database Applications.....	3
Elective	(Advisor Approval Required)		3

• Model Schedule 66 sem. hrs.

FRESHMAN FIRST SEMESTER

ACCT	2201	Principles of Accounting I.....	3
BUSN	1102	Intro. to Business	3
BUSN	1141	Business Math.....	3
ECON	2201	Econ. Prin. & Prob. I	3
ENGL	1104	Written English I.....	3
			16

FRESHMAN SECOND SEMESTER

ACCT	2202	Principles of Accounting II.....	3
ECON	2202	Econ. Prin. & Prob. II.....	3
ENGL	1109	Technical Report Writing.....	3
INFO	1100	Comp. Concepts & Appls.....	3
MGMT	2209	Principles of Management.....	3
			15

SOPHOMORE FIRST SEMESTER

BUSN	2210	Human Relations in Business.....	3
FINC	2201	Intro. to Financial Mgmt.....	3
MKTG	2204	Principles of Marketing	3
SPCH	1100	Intro. to Speech Communications.....	3
BUSN	Elective		3
BUSN	Elective		3
			18

SOPHOMORE SECOND SEMESTER

BUSN	2251	Corporate Communications	3
BUSN	2205	Small Business Fund.....	3
FINC	2230	Financial Literacy	3
INFO	2235	Micro. Appls. in Business	3
BUSN	Elective		3
BUSN	Elective		3
			18

CAD (Computer Aided Design)

(Skill Set)

■ Jerry Bacza

356 Wallman Hall / (304) 367-4632

gbacza@fairmontstate.edu

The Drafting/Design Engineering Technology program is offering a unique opportunity for students to gain introductory/intermediate level skills and knowledge in the area of Computer Aided Drafting (CAD). A CAD skill set would consist of five courses from the current AAS Drafting/Design Engineering Technology program. This training could be used for entry-level employment or to further develop skills and knowledge related to a student's current major.

The CAD training may serve as a stand-alone educational program. Some students will find that the knowledge and skills learned through the certificate requirements meet their educational and/or career needs. Other students can use the CAD program to explore potential choices for a major, or as the basis for a step-up program, completing additional courses for an associate degree or baccalaureate degree. This CAD certificate could be used to supplement degrees in Architecture, Aviation, Civil, Electronics, Mechanical, Graphics, Applied Design and Information Systems. These five courses will progress a student from the two dimensional working drawings to three dimensional models using a variety of software such as AutoCAD, Architectural Desktop, Mechanical Desktop and Inventor. All of these software packages are part of the AutoDesk Campus Site License at Fairmont State.

• Required Courses:..... 16 sem. hrs.

DRFT	2200	Fundamentals of CAD.....	3
DRFT	2205	Introduction to Solid Modeling.....	3
DRFT	2215	Architectural Drafting.....	4
DRFT	2235	Technical Drafting.....	3
DRFT	2245	Architectural Design.....	3

CIVIL ENGINEERING TECHNOLOGY

(Associate of Science)

(SEE FAIRMONT STATE UNIVERSITY CATALOG)

CLASSROOM TEACHER'S AIDE

(Skill Set)

■ Kristie Latocha, Program Coordinator
137 Education Building / (304) 367-4665
klatocha@fairmontstate.edu

This is a 6-hour skill set in Classroom Teacher's Aide. This certificate will satisfy the West Virginia Department of Education's qualifications for Teacher Aide III. Person's who desire employment as teacher's aide in both elementary and early childhood classrooms will be potential students enrolling in this program. Also current Teacher Aides II will be interested in this training as it will qualify them for promotion and pay increase as Teacher's Aide III. The intent of a prescribed curriculum is to provide a pathway from aide to teacher through a step process that begins with certificates earned through the Community and Technical Colleges. In this manner, the potential teacher can earn a certificate, meeting state requirements for college credit, at various levels that will build towards an associate and or a bachelor degree.

• Required Courses 6 sem. hrs.

EDUC	2200	Introduction to Education	3
EDUC	2220	Exceptionality in Special Education	3

CLASSROOM TEACHING ASSISTANT

(Skill Set)

■ Kristie Latocha, Program Coordinator
137 Education Building / (304) 367-4665
klatocha@fairmontstate.edu

This program is an 18-hour skill set in for Teaching Assistant. This certificate will satisfy the West Virginia Department of Education's qualifications for Teacher Aide IV. Person's who desire employment as teacher's aide in both elementary and early childhood classrooms will be potential students enrolling in this program. Also current Teacher Aides III will be interested in this training as it will qualify them for promotion and pay increase as Teacher's Aid IV. The intent of a prescribed curriculum is to provide a pathway from aide to teacher through a step process that begins with certificates earned through the Community and Technical Colleges. In this manner, the potential teacher can earn a certificate, meeting state requirements for college credit, at various levels that will build towards an associate and or a bachelor degree.

• Required Courses 18 sem. hrs

EDUC	2200	Introduction to Education	3
EDUC	2220	Exceptionality in Special Education	3
ENGL	1104	Written English I.....	3
INFO	1101	Computer Concepts & Applications.....	3
INTR	1100	Race, Class, and Gender.....	3
SPCH	1100	Intro to Speech Communication	3

CRIMINAL JUSTICE

(Associate of Applied Science)

■ Les Boggess, Associate Professor & Program Coordinator
315 Hardway Hall / (304) 367-4678
lboggess@fairmontstate.edu

The criminal justice program at Fairmont State Community and Technical College provides students with a broad orientation to the entire system of criminal justice. In order to provide for persons with various backgrounds, career aspirations, etc., the program allows students (with advisor assistance and approval) some flexibility in structuring the curriculum to meet their individual interests and needs.

Places of employment:

- Local, county, and state governments
- Industrial commercial coordinators
- Security agencies
- Social service agencies

Types of jobs:

- Police officers
- Correctional officers
- Security/loss prevention
- Private investigators

• Criminal Justice..... 65 sem. hrs.
• General Studies Courses..... 30 sem. hrs.

ENGL	1104	Written English I.....	3
ENGL	1108	Written English II.....	3
or			
ENGL	1109	Technical Report Writing.....	3
INFO	1100	Computer Concepts and Applications.....	3
POLI	1103	American Government.....	3
PSYC	1101	Introduction to Psychology.....	3
PSYC	2250	Community Psychology.....	3
SOCY	1110	Introductory Sociology	3
SOCY	2200	Social Problems.....	3
SPCH	1100	Speech Communication	3
Math or Science General Studies Course			3

• Criminal Justice Required Courses..... 18 sem. hrs.

CRJU	1100	Introduction to Criminal Justice	3
CRJU	1101	Police Operations.....	3
CRJU	2202	Principles of Criminal Law I	3
CRJU	2206	Introduction to Corrections	3
CRJU	2212	Abnormal Behavior and Crisis Intervention.....	3
CRJU	2240	Adjudication Process	3

• Criminal Justice Elective Courses 12 sem. hrs.

CRJU	1199	Special Topics	1-6
CRJU	2204	Police Defense Tactics	1
CRJU	2205	Natural Resource Laws	3
CRJU	2209	Firearms	3
CRJU	2215	Introduction to Private Security.....	3
CRJU	2218	Police Administration	3
CRJU	2220	Juvenile Justice Process.....	3
CRJU	2226	Crime Scene Investigation	3
CRJU	2236	Criminal Investigation.....	3
CRJU	2246	Criminal Evidence.....	3
CRJU	2255	Law of Corrections	3
CRJU	2256	Homicide Investigation	3

CRJU	2266	Sex Crimes.....	3
General Electives.....			5

• Model Schedule Criminal Justice65 Sem. hrs.

FRESHMAN FIRST SEMESTER

ENGL	1104	Written English I.....	3
POLI	1103	American Government.....	3
PSYC	1101	Intro to Psychology.....	3
SOCY	1110	Intro to Sociology.....	3
CRJU	1100	Intro to Criminal Justice	3
			15

FRESHMAN SECOND SEMESTER

ENGL	1108	Written English II, OR.....	
ENGL	1109	Technical Report Writing.....	3
PSYC	2250	Community Psychology	3
SOCY	2200	Social Problems.....	3
CRJU	1101	Police Operations.....	3
CRJU	2202	Principles of Criminal Law.....	3
			15

SOPHOMORE FIRST SEMESTER

SPCH	1100	Intro to Speech Communication	3
Math or Science			3
CRJU	2206	Intro to Corrections	3
CRJU	2212	Abnormal Behavior & Crisis Intervention	3
CRJU Elective			3
General Elective			3
			18

SOPHOMORE SECOND SEMESTER

General Elective			2
CRJU	2240	Adjudication	3
INFO	1100	Comp Concepts	3
CRJU Elective			3
CRJU Elective			3
CRJU Elective			3
			17

COMPUTER FORENSIC CERTIFICATE

(SEE FAIRMONT STATE UNIVERSITY CATALOG)

INTELLIGENCE RESEARCH AND ANALYSIS CERTIFICATE

(SEE FAIRMONT STATE UNIVERSITY CATALOG)

DRAFTING/DESIGN ENGINEERING TECHNOLOGY

(Associate of Applied Science)

■ Jerry Bacza
356 Wallman Hall / (304) 367-4632
gbacza@fairmontstate.edu

REQUIRED COURSES

- Drafting/Design Engineering Technology 65 sem. hrs.
(TAC of ABET Accredited)

DRFT	1100	Engineering Graphics.....	3
DRFT	2200	Fundamentals of CAD.....	3
DRFT	2205	Introduction to Solid Modeling.....	3
DRFT	2215	Architectural Drafting.....	4

DRFT	2225	Descriptive Geometry.....	3
DRFT	2235	Technical Drafting.....	3
DRFT	2245	Architectural Design.....	3
DRFT	2255	Tool Design.....	4
ECON	2200	Introduction to Economics.....	3
ENGL	1104	Written English I.....	3
ENGL	1109	Technical Report Writing.....	3
INFO	1100	Computer Concepts and Applications.....	3
or			
COMP	1101	Applied Technical Programming	3
MATH	1101	Applied Technical Math I	3
MATH	1102	Applied Technical Math II	3
MANF	1100	Materials and Processes	3
PHYS	1101	Introduction to Physics.....	4
PHYS	1102	Introduction to Physics.....	4
SPCH	1100	Speech Communication	3
TECH	2290	Engineering Analysis I.....	4
TECH	Elective		3

• Model Schedule65 Sem. hrs.

FRESHMAN FIRST SEMESTER

MATH	1101	Applied Technical Math I	3
DRFT	1100	Engineering Graphics.....	3
DRFT	2200	Fundamentals of CAD.....	3
ENGL	1104	Written English I.....	3
MANF	1100	Materials & Processes	3
			15

FRESHMAN SECOND SEMESTER

MATH	1102	Applied Technical Math II	3
DRFT	2235	Technical Drafting.....	3
ENGL	1109	Technical Report Writing.....	3
INFO	1100	Comp. Concepts & Applications	3
or			
COMP	1101	App. Tech. Program.....	3
SPCH	1100	Intro. to Speech Communications.....	3
			15

SOPHOMORE FIRST SEMESTER

PHYS	1101	Intro. to Physics I	4
DRFT	2205	Intro. to Solid Modeling	3
DRFT	2225	Descriptive Geometry.....	3
ECON	2200	Economics	3
DRFT	2215	Architectural Drafting.....	4
			17

SOPHOMORE SECOND SEMESTER

PHYS	1102	Intro. to Physics II	4
TECH	2290	Engineering Analysis I.....	4
DRFT	2245	Architectural Design.....	3
DRFT	2255	Tool Design.....	4
TECH Elective			3
			18

EARLY CHILDHOOD

(Associate of Applied Science)

■ Nancy Cheshire
137 Education Building / 367-4588
ncheshire@fairmontstate.edu

The Early Childhood Associate of Applied Science Degree includes the study of the growth and development of young children as well as the planning, preparation and implementation of appropriate curriculum for quality early childhood programs. Students have the opportunity to gain practical experience

working with children at the campus Laboratory Preschool and in early childhood programs within the community.

The program prepares individuals to work in child care centers, Head Start Centers, and private preschools or nursery schools. Some graduates are employed in private homes as a nanny or in public schools as a paraprofessional. Other employment opportunities include positions in public and private organizations providing services for children.

Early Childhood students are required to meet all West Virginia Licensing Requirements for Child Care employees including a physical examination, tuberculosis test, valid food handler's card, two written references, first aid and CPR training and criminal background record check.

• **Early Childhood..... 64 sem. hrs.**

EDUC	2220	Areas of Exceptionality in Special Education.....	3
ENGL	1104	Written English I.....	3
ENGL	1108	Written English II.....	3
		(PR: ENGL 1104 with a grade of "C" or better)	
EC	1105	Development of Young Children	3
EC	1106	Health and Safety in Early Childhood Programs	2
EC	1107	Early Childhood Curriculum.....	3
EC	1130	Foundations of Early Childhood	3
EC	2206	The Child in the Family.....	3
EC	2230	Classroom Strategies	3
EC	2231	Administration of Early Childhood Programs	3
EC	2232	Early Childhood Practicum I.....	3
EC	2240	Infant and Toddler Development.....	3
EC	2262	Early Childhood Practicum II	4
EC	2283	Cognitive Development	3
FOSM	1120	Nutrition in Childhood & Adolescence	3
FOSM	2200	Introduction to Foods	3
HUSV	1103	Community Service Learning.....	1
INFO	1100	Computer Concepts and Applications.....	3
INTR	1100	Race, Class, and Gender.....	3
SOCY	1110	Introductory Sociology	3
LIBS	2209	Library Materials for Children	3
		General Studies Elective.....	3

• **Model Schedule 64 sem. hrs.**

FRESHMAN FIRST SEMESTER

EC	1106	Health and Safety in EC*	2
EC	1130	Foundations in EC*	3
ENGL	1104	Written English I.....	3
INTR	1100	Race, Class and Gender.....	3
INFO	1100	Computer Concepts & App.	3
			14

FRESHMAN SECOND SEMESTER

EC	1105	Dev. of Young Children*	3
EC	1107	EC Curriculum*	3
ENGL	1108	Written English II.....	3
FOSM	1120	Nutrition in Childhood & Adolescence	3
SOCY	1110	Introductory Sociology	3
HUSV	1103	Community Service Learning.....	1
			16

SOPHOMORE FIRST SEMESTER

EC	2230	Classroom Strategies*	3
EC	2232	EC Practicum I*	3
EC	2240	Infant/Toddler Development*.....	3
EC	2283	Cognitive Development*	3

EDUC	2220	Areas of Exceptionality	3
FOSM	2200	Introduction to Foods	3
			18

SOPHOMORE SECOND SEMESTER

EC	2206	The Child in The Family*	3
EC	2231	Administration of EC Programs*	3
EC	2262	EC Practicum II*	4
LIBS	2209	Library Materials/Children*	3
		General Studies Elective.....	3
			16

* Offered only in semester listed

Notice to all students:

1. It is the responsibility of the student to meet the academic advisor to schedule all courses for the completion of this degree. Failure to seek assistance of an advisor may delay graduation.
2. Permission is required to carry over 18 hours per semester. To be eligible, the student must be graduating or have a 3.00 GPA. Hours may not exceed 25 in any semester.
3. The semester before planned graduation, the student should schedule a Senior Evaluation through the Registrar's office and must apply for graduation before the deadline as stated in the current college catalog.
4. Students are reminded to review campus policies and procedures as stated in the college catalog.

**EARLY CHILDHOOD PRACTITIONER:
OCCUPATIONAL DEVELOPMENT DEGREE**

■ **Nancy Cheshire**

137 Education Building / 367-4588

ncheshire@fairmontstate.edu

- **Total Degree Requirement..... 64 sem. hrs.**
- **General Studies Component I 21 sem. hrs.**

The following courses are required:

ENGL	1104	Written English I.....	3
ENGL	1108	Written English II	3
		(PR: "C" in ENGL 1104)	
INFO	1100	Computer Concepts & Applications	3

Select four courses from the following:

PSYC	1101	Introduction to Psychology I.....	3
SOCY	1110	Introductory Sociology	3
SPCH	1100	Intro. to Speech Communication	3
INDS	1100	Race, Class and Gender.....	3
INDS	2280	Empowering Leadership.....	3

- **Technical Core Component II..... 15 sem. hrs.**

The following courses are required:

EC	1107	Curriculum for Early Childhood Programs.....	3
EC	2283	Cognitive Development	3

Select a minimum of 9 hours from the following courses:

EC	1105	Development of Young Children	3
EC	1106	Health and Safety in Early Childhood Programs	2
EC	2206	The Child in the Family	3
EC	2230	Classroom Strategies	3
EC	2231	Administration of Early Childhood Programs	3
EC	2240	Infant and Toddler Development.....	3
LIBS	2209	Library Materials for Children	3
FOSM	1120	Nutrition in Childhood & Adolescence	3
HUSV	1103	Community Service Learning.....	1

• **Technical-Training Experience Comp. III..... 18 sem. hrs.**

Component III consists of courses developed and delivered by the Apprenticeship for Child Development Specialist (ACDS) Program offered through, and approved by, the United States Department of Labor, or approved courses included in the Child Development Associate (CDA) education and training program under the auspices of an agency or organization with expertise in early childhood teacher preparation. The courses will be converted to college credit hours at the usual ratio of 15:1 for lecture and at the laboratory hours/credit ratio of Fairmont State Community and Technical College to a maximum of 18 credit hours. This credit will be recorded immediately prior to graduation from the college following the completion of all degree requirements, a positive completed evaluation by Fairmont State Community and Technical College and the payment of the Evaluation Fee.

• **Occupational On-the-Job Training Hours**

Component IV 10 sem. hrs.

- or -

• **Supervised Work Based Learning**

This component consists of paid or unpaid on-the-job training provided as a component of the Apprenticeship for Child Development Specialist (ACDS) Program or Child Development Associate (CDA) Program. The on-the-job training component is to be converted to credit hours at a ratio of 160:1 to a maximum of 10 credit hours. This credit will be recorded immediately prior to graduation following the completion of all degree requirements, a positive completed evaluation by Fairmont State Community and Technical College and the payment of the Evaluation Fee.

Documentation of Completion: for Component III and Component IV is made to the Early Childhood Program Coordinator by submitting a copy of the U.S. Department of Labor Apprenticeship for Child Development Specialist Certificate and a letter of completion from the U.S. Department of Labor or a copy of the Child Development Associate Certificate and a letter of completion from the organization or agency providing the training.

Residency Requirement: 15 credits of the students last course work in Components I and II must be completed at Fairmont State Community and Technical College.

Evaluation Fee: An Evaluation Fee of one hundred-fifty dollars (\$150.00) is required following the completion of all courses. The evaluation includes determination that all academic course work has been successfully completed and verification of Components III and IV. When the evaluation is completed and all requirements have been met, then credits for Components III and IV will be granted. The evaluation fee is paid at the time application for graduation is made.

EARLY CHILDHOOD TEACHER'S AIDE

(Skill Set)

■ **Nancy Cheshire**

137 Education Building / 367-4588

ncheshire@fairmontstate.edu

This is a 6-hour skill set in Early Childhood Teaching Aide. This certificate will satisfy the West Virginia Department of Education's qualifications for Teacher Aide III. People who de-

sire employment as teacher's aide in both elementary and early childhood classrooms will be potential students enrolling in this program. Also current Teacher Aides II will be interested in this training as it will qualify them for promotion and pay increase as Teacher's Aid III. The intent of a prescribed curriculum is to provide a pathway from aide to teacher through a step process that begins with certificates earned through the Community and Technical Colleges. In this manner, the potential teacher can earn a certificate, meeting state requirements for college credit, at various levels that will build towards an associate and or a bachelor degree. The certificate in Early Childhood Teaching Aide will lead seamlessly towards an associate degree in Early Childhood, without loss of credit and with a focused curriculum.

REQUIRED COURSES:

• Early Childhood Teaching Aide..... 6 sem. hrs.

EC 1106 Health and Safety in Early Childhood 2

EC 1107 Early Childhood Curriculum..... 3

EMMS 1199 Pediatric First Aid / CPR..... 1

Substitution may be made for an EC course upon approval by Program Coordinator.

EARLY CHILDHOOD TEACHING ASSISTANT

(Skill Set)

■ **Nancy Cheshire**

137 Education Building / 367-4588

ncheshire@fairmontstate.edu

This is an 18-hour skill set in Early Childhood Teaching Assistant. This certificate will satisfy the West Virginia Department of Education's qualifications for Teacher Aide IV. Person's who desire employment as teacher's aide in both elementary and early childhood classrooms will be potential students enrolling in this program. Also current Teacher Aides III will be interested in this training as it will qualify them for promotion and pay increase as Teacher's Aid IV. The intent of a prescribed curriculum is to provide a pathway from aide to teacher through a step process that begins with certificates earned through the Community and Technical Colleges. In this manner, the potential teacher can earn a certificate, meeting state requirements for college credit, at various levels that will build towards an associate and or a bachelor degree. The certificate in Early Childhood Teaching Assistant will lead seamlessly towards an associate degree in Early Childhood, without loss of credit and with a focused curriculum.

REQUIRED COURSES

• Early Childhood Teaching Assistant..... 18 sem. hrs.

EC 1106 Health and Safety in Early Childhood 2

EC 1107 Early Childhood Curriculum..... 3

EC 2230 Classroom Strategies..... 3

EC 2283 Cognitive Development 3

EDUC 2220 Exceptionality in Special Education 3

ENGL 1104 Written English I..... 3

EMMS 1199 Pediatric First Aid / CPR..... 1

Substitution may be made for an EC course upon approval by Program Coordinator.

ELECTRONICS ENGINEERING TECHNOLOGY

(Associate of Science)

(SEE FAIRMONT STATE UNIVERSITY CATALOG)

EMERGENCY MEDICAL SERVICES

(Associate of Applied Science)

■ Robert Andrew, Program Coordinator
119 Hunt Haught Hall / 367-4847
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Emergency Medical Services play a key role in the health care delivery system in the United States by providing the appropriate basic intermediate, and advanced life support to the sick and injured in the prehospital setting. The Emergency Medical Technician is the instrument used to provide this prehospital care. The EMT's primary responsibility is to provide expert emergency medical care to victims of emergencies and to transport them safely to the appropriate facility. Most duties are performed unsupervised, in a variety of circumstances, and often under considerable physical and emotional stress.

The primary goal of the Emergency Medical Services Program at Fairmont State is to produce entry level basic, intermediate, and advanced Emergency Medical Technicians who are competent to work in career and volunteer positions within West Virginia's health care system.

Graduates of the program possess the knowledge, skills and confidence to provide high quality emergency care to the sick and injured in their respective communities. The individual who successfully completes the Associate of Applied Science in Emergency Medical Services Program will possess these attributes and will be eligible for employment with public and private EMS providers, hospitals and aeromedical services. All Applicants seeking admission to the Associate of Applied Science in Emergency Medical Services Program are required to:

1. Meet general admission requirements of Fairmont State Community & Technical College.
2. Submit an application for admission designating associate degree Emergency Medical Services as a major field of study.
3. Submit a resume or Statement of Activities to the Office of Admissions if the candidate is not a recent high school graduate.
4. Submit official high school transcript or verified GED score, ACT or SAT scores if applicable; and EMS program application prior to August 1 application deadline to be considered for the first year - fall semester..
5. Students admitted to the program must complete a physical examination, required immunizations and tests prior to participation in any EMS Practicum course.

After complying with the above steps the student must submit the following to the EMS Coordinator:

1. An application to the Emergency Medical Services Program.
2. Three letters of reference.
3. A photocopy of the following certifications if held by the applicant: EMT-Basic or EMT-Paramedic and American Heart association Provider and /or American Red Cross Professional Rescuer CPR certification.

Note:

If a student holds a current paramedic certification, the student may be eligible to earn the Associate of Applied Science in

Emergency Medical Services Degree after fulfilling the general education components of the program. The equivalent evaluation is done on an individual basis taking into consideration all EMS training and related courses to the field of study.

Qualified students will be ranked according to an impartial scoring system. ACT or SAT scores; high school or college grade point average or GED score; active member of an approved West Virginia EMS agency; and college courses completed that apply to the Associate of Applied Science in EMS degree (if applicable) are considered in the evaluation process. Students who are not admitted must reapply if they wish to be considered for the next academic year.

Students must be able to travel to various clinical affiliate sites located throughout North Central West Virginia during the EMS Practicum courses. Additional mini-courses have been incorporated into the EMS 200 courses. Participation in these courses is mandatory. Certification fees are required for State or National certification by the agencies governing these courses.

To remain in the EMS program and to be eligible to take the National Registry of EMT's Paramedic examination a minimum cumulative 2.0 grade point average is required at the end of the program and a favorable recommendation from the program faculty and medical director is required. Failure to meet any of these requirements will result in dismissal from the program. Readmission is on the basis of reapplication and reacceptance.

According to West Virginia Division of Health Legislative Rules 64 CSR 48-9 and 48-10, anyone wishing to receive certification from the West Virginia Office of Emergency Medical Services must meet and maintain the qualifications contained in this legislation. Certification will be denied or revoked to anyone not being able to meet these requirements. Contact the West Virginia Office of Emergency Medical Services at (304) 558-3956 or <http://www.wvoems.org> to obtain a copy of these requirements.

• Model Schedule 66 sem. hrs.

FRESHMAN FIRST SEMESTER

BIOL	1170	Anatomy & Physiology	4
EMMS	1100	Introduction to EMS	2
EMMS	1103	Emergency Medical Technician Basic	7
EMMS	1104	Emergency Medical Services - Operations	2
EMMS	1106	Emergency Medical Services Practicum I	1
			16

FRESHMAN FIRST SEMESTER

HLCA	1100	Medical Terminology	3
EMMS	1108	EMS Pharmacology	3
EMMS	2207	Airway Management/Patient Assessment	2
EMMS	2208	Pathophysiology and Shock Trauma Resuscitation	3
EMMS	2209	Emergency Medical Services Practicum II	2
ENGL	1104	Written English I	3
			16

SOPHOMORE FIRST SEMESTER

EMMS	2210	Medical Emergencies	4
EMMS	2211	Emergency Medical Services Practicum III	2
ENGL	1109	Technical Report Writing	3
INFO	1100	Computer Concepts & Application	3
MATH	1107	Fundamental Concepts of Mathematics	3
PSYC	1101	Introduction to Psychology	3
			18

SOPHOMORE SECOND SEMESTER

EMMS 2212	Medical Emergencies II	4
EMMS 2213	Special Patients & Situations	2
EMMS 2214	Emergency Medical Services Practicum IV	2
EMMS 2215	Assessment Based Management	2
SOCY 1110	Introduction to Sociology	3
Elective (<i>Consent of Advisor</i>)		3
		16

EMS SPECIALIST: OCCUPATIONAL DEVELOPMENT

(Associate of Applied Science)

■ Robert Andrew, Program Coordinator
119 Hunt Haught Hall / 367-4847
randrew@fairmontstate.edu

- Model Schedule 72 sem. hrs.

This program includes the following components:

Component I (General Studies)

ENGL 1104	Written English I	3
ENGL 1109	Technical Report Writing	3
MATH 1107	Fundamental Concepts	3
PSYC 1101	Introduction to Psychology I	3
SOCY 1110	Introductory Sociology	3
COMP 1100	Concepts of Computing	3
or		
INFO 1100	Computer Concepts and Applications	3
General Education Elective		3
		21

Component II (Technical Core)

EMMS 2202	Tech I Paramedic	8
EMMS 2203	Practicum I	2
EMMS 2204	Tech II Paramedic	8
EMMS 2205	Practicum II	2
		20

Component III (Technical Training Experience) 18

The component consists of technical courses, workshops, developed and delivered by the College and State EMS agency or approved by Department of Labor as apprenticeship training. Courses are converted to college credit hours at the usual ratio of 15:1 for lecture and at a rate consistent with the lab/credit ratio of the degree granting institution.

Component IV (On-The-Job Training) 13

On-the-job training in the occupation or supervised work based learning consists of on-the-job training, internship, or practicum performed at a business or industry setting in the occupational area. the on-the-job training component is to be converted to credit ratio of 160:1 with the maximum of 2,080 contact hours allowable. A statement of the total number of contact hours experienced through on-the-job training may be placed on the college record. This credit will be recorded immediately prior to graduation from the College.

EMERGENCY MEDICAL TECHNICIAN-PARAMEDIC (EMT-P)

(One-Year Certificate)

■ Robert Andrew, Program Coordinator
119 Hunt Haught Hall / 367-4847
randrew@fairmontstate.edu

- Model Schedule 36 sem. hrs.

SUMMER TERM (JUNE) 5 WEEKS

EMMS 1100	Introduction to EMS	2
EMMS 1104	EMS-Operations	2
EMMS 1106	EMS-Practicum I (44 hours)	1
		5

FRESHMAN FIRST SEMESTER

EMMS 1108	EMS Pharmacology	3
EMMS 2207	Airway Management / Patient Assessment	2
EMMS 2208	Shock Trauma Resuscitation	3
EMMS 2209	EMS Practicum II (116 Hours)	2
EMMS 1199	EMS Practical Lab II	2
* Basic Trauma Life Support Provider Course		1
		13

FRESHMAN SECOND SEMESTER

EMMS 2210	Medical Emergencies I	4
EMMS 2211	EMS Practicum III (120 Hours)	2
EMMS 2212	Medical Emergencies II	4
* Advanced Cardiac Life Support Provider Course		1
* Pediatric Advanced Life Support Provider Course		1
		12

SUMMER TERM (MAY) 5 WEEKS

EMMS 2213	Special Situations	2
EMMS 2214*	EMS Practicum IV (112 Hours)	2
EMMS 2215	Assessment Based Management	2
		6

* EMS Practicum IV will be over both summer terms (May thru July) 10 weeks

NREMT-P EXAM (July)

- Total Program Hours 36 sem. hrs.

Admission Procedures

1. Meet the general admission requirements of Fairmont State Community & Technical College
2. Submit an application for admission designating One-Year Certificate in Emergency Medical Services as major field of study.
3. Submit a resume to the Office of Admissions if the candidate is not a recent high school graduate.
4. Submit official high school transcript or verified GED score, ACT or SAT scores if applicable; and EMS program application prior to January 1 application deadline.
5. Students admitted to the program must complete a physical examination and required immunizations prior to participation in any EMS Practicum course.
6. Submit two letters of reference to the EMS Coordinator.

Prerequisites

1. Current Healthcare Provider CPR Card
2. Current EMT-Basic Card (NREMT and or WVOEMS)
- (EMMS 1103 EMT-Basic 7 hours)
3. Anatomy & Physiology Course (4 credit hours with a lab)
- (BIOL 1170 Anatomy & Physiology 4 hours)
4. Remedial Math, Reading and or English Courses

* FOLKLIFE STUDIES (*Pending Approval)

(Associate of Arts)

■ Judy P. Byers

320 Jaynes Hall / 367-4286

jbyers@fairmontstate.edu

The goal of this associate degree program is to provide a two track avenue for students interested in working in either the field of museum studies or traditional folk arts production and management. The program is designed so that students can approach the educational content with choice of direction and various levels of accomplishment from certification to associate degree. This approach enables students to pursue a bachelor's degree in associated fields after completing the associate degree.

Persons who desire employment in a museum setting as an interpreter, collections manager, education programming director, or exhibit developer will be one core of potential students in this program. By offering an emphasis track in crafts production and marketing management, persons who wish to promote the creation or sales of their own and others' products could gain both craft development skills and marketing savvy. Current area economic trends indicate that heritage tourism, regional travel, craft marketing, historic preservation, and the general promotion of the region's natural resources (whitewater rafting, skiing, hiking, etc.) are not only the fastest growing segments of the economic base, but will also set the directions for future regional change and stability. Regional state and national parks, forests, recreational areas, resorts, museums, historical sites, conference centers, and many others are all seeking qualified individuals for the various positions that this new activity is creating.

The West Virginia Folklife Center at Fairmont State has become a centering force within the region as both an educational and cultural resource. The Folklife Center works with state and regional level government and private entities (WV Departments of Education, Culture and History, and Travel and Tourism; WV Humanities Council; WV Association of Museums; Prickett's Fort Memorial Foundation; Vandalia Heritage Foundation; Tamarack; Mountain Made; and many other festivals, organizations, and museums) through shared programming, educational experiences, and the promotion of cultural ideas.

- Folklife Studies 66 sem. hrs.
- General Education & Required Core 34 sem. hrs.

BUSN	1141	Business Math	3
ENGL	1104	Written English I.....	3
ENGL	1108	Written English II.....	3
Fine Arts General Education Elective (select one)			3
ART, MUSI, or THEA 1120			
FOLK	1150	Folks Arts.....	3
FOLK	2200	Intro to Folklore	4
HIST	1107	US History I.....	3
HIST	1108	US History II	3
INFO	1100	Computer Concepts & Applications	3
SPCH	1100	Intro to Speech Communication	3

Restricted Elective (select one).....			3
APPD	1116	History of Contemporary Fashion	3
TECH	1100	History of Technology.....	3

Additional Required Elective Courses..... 12
(Instructor approved, may include courses from Gen. Ed.)

Select an option to complete degree:

Museum Studies Option			20 sem. hrs.
FOLK	1100	Intro to Museum Studies	2
FOLK	2210	Museum Education Programming	3
FOLK	2220	Museum Collections Management	3
FOLK	2230	Museum Exhibit Design & Preparation.....	3
FOLK	2240	Museum Interpretation	3
FOLK	2290	Museum Internship	6

Folk Arts and Crafts Production/Marketing Option..... 20 sem. hrs.

ACCT	1100	Accounting Fundamentals.....	3
BUSN	2250	Small Business Management.....	3
FOLK	1110	Introduction to Craft Design & Marketing.....	3
FOLK	2295	Crafts Apprenticeship	11

Museum Studies Option

- Model Schedule 66 sem. hrs.

FRESHMAN FIRST SEMESTER

BUSN	1141	Business Mth	3
ENGL	1104	Written English I.....	3
FOLK	1100	Intro to Museum Studies	2
FOLK	1150	Folks Arts.....	3
HIST	1107	US History I.....	3
Restricted Elective (select one)			3
APPD	1116	History of Contemporary Fashion.....	3
TECH	1100	History of Technology	3
			17

FRESHMAN SECOND SEMESTER

ENGL	1108	Written English II.....	3
FOLK	2200	Intro to Folklore	4
FOLK	2220	Museum Collections Management	3
INFO	1100	Computer Concepts & Applications	3
Fine Arts General Education Elective (select one).....			3
ART, MUSI, or THEA 1120			
			16

SUMMER

FOLK	2290	Museum Internship	3
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SOPHOMORE FIRST SEMESTER

HIST	1108	US History II	3
FOLK	2210	Museum Education Programming	3
FOLK	2230	Museum Exhibit Design & Preparation.....	3
Additional Required Electives (select one, see advisor)			6
			15

SOPHOMORE SECOND SEMESTER

FOLK	2240	Museum Interpretation	3
FOLK	2290	Museum Internship	3
Additional Required Electives (select two, see advisor)			6
			15

Folk Arts and Crafts Production/Marketing Option

- Model Schedule 66 sem. hrs.

FRESHMAN FIRST SEMESTER

BUSN	1141	Business Mth.....	3
ENGL	1104	Written English I.....	3
FOLK	1100	Intro to Museum Studies	2
FOLK	1150	Folks Arts.....	3
Restricted Elective (select one).....			3
APPD	1116	History of Contemporary Fashion.....	3
TECH	1100	History of Technology	3
			15

FRESHMAN SECOND SEMESTER

ACCT	1100	Accounting Fundamentals	3
ENGL	1108	Written English II	3
Fine Arts General Education Elective (<i>select one</i>)			3
ART, MUSI, or THEA 1120			
FOLK	2295	Crafts Apprenticeship	1
INFO	1100	Computer Concepts & Applications	3
HIST	1107	US History I	3
			16

SUMMER

FOLK	2295	Crafts Apprenticeship	3
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SOPHOMORE FIRST SEMESTER

FOLK	2200	Intro to Folklore	4
FOLK	2295	Crafts Apprenticeship	3
HIST	1108	US History II	3
Additional Required Electives (<i>select one, see advisor</i>)			6
			16

SOPHOMORE SECOND SEMESTER

BUSN	2250	Small Business Management	3
FOLK	2295	Crafts Apprenticeship	4
SPCH	1100	Intro to Speech Communication	3
Additional Required Electives (<i>select two, see advisor</i>)			6
			16

FOOD SERVICE MANAGEMENT

(Associate of Applied Science)

Culinary Arts Specialization

■ Brian Floyd, Certified Executive Chef, Instructor and Program Coordinator

140 Education Building / (304) 367-4409

bffloyd@fairmontstate.edu

The nationally recognized Culinary Arts specialization (Accredited through the American Culinary Federation) provides an outstanding foundation for students interested in pursuing a career in the food service industry. Students in the Culinary Arts specialization will be eligible to become Certified Culinarians upon graduation. Basic courses in the degree give knowledge in sanitation, equipment, food purchasing, food merchandising, quantity foods, and personnel management. Theoretical and practical cooking is explored. Students can expect to qualify for entry to mid-level food service positions upon graduation.

Students may choose to articulate into the Bachelor of Science Hospitality Management Degree. See Business Administration catalog description for more information.

Beginning in fall 2006, admission to the Culinary Arts program will be competitive. Applications should be received by April 1, 2006 for admission into the fall 2006 program. Applicants to the program must have a minimum GPA of 2.0, a score of 18 or higher on the English section of the ACT (or SAT equivalent) or successful completion of ENGL 0097 or ENGL 1104, and a score of 18 or better on the Math section of the ACT (or SAT equivalent) or successful completion of MATH 0095. Experience in the food service industry or certification from a ProStart program is highly desirable.

To continue in the Culinary Arts program, the student must meet the following standards:

- Pass all courses required for the A.A.S. degree.
- Maintain a minimum overall grade point average (GPA) of 2.0 and no less than a "C" grade in all Culinary Arts courses.

Readmission to the program will be determined on an indi-

vidual basis. This will be decided by the Admissions Committee on the basis of qualifications of the student and upon a space available. Students in good standing who withdraw from the program for unpredictable or uncontrollable reasons will be given priority consideration if they reapply.

REQUIRED COURSES

• Culinary Arts Specialization 64 sem. hrs.

ENGL	1104	Written English I	3
ENGL	1108	Written English II	3
FOSM	1110	Nutrition	3
FOSM	1119	Intro to Food Service Industry	3
FOSM	1121	Food Service Fac. & Equipment	3
FOSM	1122	Sanitation & Safety	2
FOSM	1130	Basic Baking	3
FOSM	1140	Food Service Cost Analy & Man	3
FOSM	2201	Principles of Food Sel & Prep	3
FOSM	2202	Principles of Food Sel & Prep lab	1
FOSM	2203	Principles of Quantity Foods	3
FOSM	2204	Principles of Quantity Foods Lab	1
FOSM	2209	Garde Manger	3
FOSM	2224	Purchasing & Receiving	3
FOSM	2227	Food & Bev Merchandising	3
FOSM	2228	Food Service Org/Mgmt	3
FOSM	2229	Food Service Practicum	9
INFO	1110	Comp Concepts & Applications	3
MGMT	2204	Principles of Marketing	3
MGMT	2209	Principles of Management	3
General Education Elective			3

• Model Schedule 64 sem. hrs.

FRESHMAN FIRST SEMESTER

FOSM	1119	Intro Food Service Industry	3
FOSM	1121	Food Service Fac & Equip	3
FOSM	1122	Sanitation and Safety	2
FOSM	2201	Principles of Food Selection and Prep	3
FOSM	2203	Principles of Food Laboratory	1
ENGL	1104	Written English I (PR: ACT 18 or ENG 097)	3
			15

FRESHMAN SECOND SEMESTER

FOSM	1140	Food Service Cost Analy&Man	3
FOSM	2202	Principles of Quantity Foods	3
FOSM	2204	Prin of Quan Food Laboratory	1
FOSM	1130	Basic Baking	3
INFO	1100	Comp Concepts & Applications	3
ENGL	1108	Written English II (PR: "C" in ENGL 1104)	3
			16

SUMMER

FOSM	2229	Food Service Practicum	6
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SOPHOMORE FIRST SEMESTER

FOSM	1110	Nutrition	3
FOSM	2209	Garde Manger	3
FOSM	2224	Purchasing & Receiving	3
FOSM	2228	Food Service Org/Mgmt	3
MGMT	2209	Principles of Management	3
			15

SOPHOMORE SECOND SEMESTER

FOSM	2227	Food & Bev Merchandising	3
FOSM	2229	Food Service Practicum	3
MKTG	2204	Principles of Marketing	3
General Education Elective-Restricted Elective (<i>see advisor</i>)			3
May select additional business elective (<i>see advisor</i>)			

12

Dietary Manager Option

■ Pamela Hamilton

Associate Professor and Program Coordinator

137 Education Building / (304) 367-4297

phamilton@fairmontstate.edu

The Food Service Management program offers an option in Dietary Management with graduates responsible for directing and controlling: menu planning, food purchasing, food production and service, financial management, employee recruitment, training and supervision and (in some settings) nutritional assessment and clinical care. Commonly identified benefits of this career choice include: It's challenging; it involves caring for people and working with people; it's fulfilling, it's a good long-term career (Source: DMA member survey, 1999). Working conditions may include varied hours, long days and the requirement to juggle multiple demands. Dietary managers work with both people and paperwork. They tend to be energetic, results-oriented problem-solvers who thrive on challenge and enjoy teamwork.

Dietary Managers may find themselves working in hospitals, long-term care, schools, correctional facilities and many other settings. Employment of food service managers is expected to increase about as fast as the average for all occupations through 2010. Employment in foodservice is not very sensitive to economic conditions, so ongoing employment is a good bet (Source: U.S. Dept. of Labor). The career outlook for dietary managers is good. As institutions deal with more government regulations, the need for qualified dietary managers increases (Source: East Texas Area Health Education Center)

REQUIRED COURSES

• Dietary Manager.....	64 sem. hrs.
BIOL 1170 Anatomy & Physiology	4
INFO 1100 Comp Concepts & Applications	3
ENGL 1104 Written English I	3
ENGL 1108 Written English II	3
FOSM 1110 Nutrition	3
FOSM 1121 Food Service Fac & Equip*	3
FOSM 1122 Sanitation and Safety*	2
FOSM 1140 Food Service Cost Analy&Man*	3
FOSM 2201 Principles of Food Selection and Prep*	3
FOSM 2202 Principles of Quantity Foods*	3
FOSM 2203 Principles of Food Laboratory*	1
FOSM 2204 Prin of Quan Food Laboratory*	1
FOSM 2220 Diet Therapy	3
FOSM 2224 Purchasing & Receiving*	3
FOSM 2228 Food Service Org/Mgmt*	3
FOSM 2229 Food Service Practicum (Health Care Facility)	12
FOSM 2250 Appl in Community & Med Nutrition*	3
FOSM 2260 Seminar in Dietary Management*	2
HLCA 1100 Medical Terminology	3
SOCY 1110 Intro to Sociology	3

• Model Schedule 64 sem. hrs.

FRESHMAN FIRST SEMESTER

FOSM 1110 Nutrition	3
FOSM 1121 Food Service Fac & Equip	3
FOSM 1122 Sanitation and Safety	2
FOSM 2201 Principles of Food Selection and Prep	3
FOSM 2203 Principles of Food Laboratory	1
ENGL 1104 Written English I (PR: ACT 18 or ENG 097)	3
SOCY 1110 Intro Sociology	3
	18

FRESHMAN SECOND SEMESTER

FOSM 1140 Food Service Cost Analy&Man	3
FOSM 2202 Principles of Quantity Foods	3
FOSM 2204 Prin of Quan Food Laboratory	1
FOSM 2220 Diet Therapy	3
HLCA 1100 Medical Terminology	3
ENGL 1108 Written English II (PR: "C" in ENG 104)	3
	16

SOPHOMORE FIRST SEMSTER

FOSM 2224 Purchasing & Receiving	3
FOSM 2228 Food Service Org/Mgmt	3
FOSM 2250 Appl in Community Nutrition	3
BIOL 1170 Anatomy & Physiology	4
INFO 1100 Comp Concepts & Applications	3
	16

SOPHOMORE SECOND SEMESTER

FOSM 2229 Food Service Practicum (Health Care Facility)	12
FOSM 2260 Seminar in Dietary Management	2
	14

Pastry & Baking Arts Specialization

■ Brian Floyd, Certified Executive Chef, Instructor and Program Coordinator

140 Education Building / (304) 367-4409

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According to the National Restaurant Association, the hospitality industry employment is anticipated to grow by 11% over the next 10 years. As foodservice operations grow so to will the demand for qualified employees to fill the additional positions. The pastry and baking arts is a specialized field that currently has a shortage of labor. The Pastry & Baking Arts specialization will prepare students to help fill the industry demand. The specialization fits into the current Foodservice Management program structure. Additional classes will allow students to seek specialized skills necessary for employment as a pastry cook upon graduation. Moreover, the student will still be grounded in to the fundamentals of foodservice management. Pastry & Baking students will gain exposure to proper sanitation and safety practices, proper nutritional practices, proper equipment procedures, and proper supervisory management practices in the same classes that the Culinary students will attend.

Beginning in fall 2006, admission to the Pastry & Baking Arts program will be competitive. Applications should be received by April 1, 2006 for admission into the fall 2006 program. Applicants to the program must have a minimum GPA of 2.0, a score of 18 or higher on the English section of the ACT (or SAT equivalent) or successful completion of ENGL 0097 or ENGL 1104, and a score of 18 or better on the Math section of the ACT (or SAT equivalent) or successful completion of MATH 0095. Experience in the food service industry or certification from a ProStart program is highly desirable.

To continue in the Pastry & Baking Arts program, the student must meet the following standards:

- Pass all courses required for the A.A.S. degree.
- Maintain a minimum overall grade point average (GPA) of 2.0 and no less than a "C" grade in all Culinary Arts courses.

Readmission to the program will be determined on an individual basis. This will be decided by the Admissions Committee on the basis of qualifications of the student and upon a space available. Students in good standing who withdraw from the program for unpredictable or uncontrollable reasons will be

given priority consideration if the reapply.

REQUIRED COURSES

• Pastry & Baking Arts Specialization 64 sem. hrs.		
ENGL 1104	Written English I.....	3
ENGL 1108	Written English II.....	3
FOSM 1110	Nutrition.....	3
FOSM 1119	Intro to Food Service Industry.....	3
FOSM 1121	Food Service Fac. & Equipment.....	3
FOSM 1122	Sanitation & Safety.....	2
FOSM 1130	Basic Baking.....	3
FOSM 1140	Food Service Cost Analy & Man.....	3
FOSM 2201	Principles of Food Sel & Prep.....	3
FOSM 2202	Principles of Food Sel & Prep lab.....	1
FOSM 2203	Principles of Quantity Foods.....	3
FOSM 2204	Principles of Quantity Foods Lab.....	1
FOSM 2224	Purchasing & Receiving.....	3
FOSM 2228	Food Service Org/Mgmt.....	3
FOSM 2229	Food Service Practicum.....	9
FOSM 2230	Advanced Baking.....	3
FOSM 2232	Pastry & Confections.....	3
INFO 1110	Comp Concepts & Applications.....	3
MGMT 2204	Principles of Marketing.....	3
MGMT 2209	Principles of Management.....	3
General Education Elective.....		3

• Model Schedule 64 sem. hrs.

Freshman First Semester

FOSM 1119	Intro Food Service Industry.....	3
FOSM 1121	Food Service Fac & Equip.....	3
FOSM 1122	Sanitation and Safety.....	2
FOSM 2201	Principles of Food Selection and Prep.....	3
FOSM 2203	Principles of Food Laboratory.....	1
ENGL 1104	Written English I (PR: ACT 18 or ENG 097).....	3
		15

FRESHMAN SECOND SEMESTER

FOSM 1140	Food Service Cost Analy&Man.....	3
FOSM 2202	Principles of Quantity Foods.....	3
FOSM 2204	Prin of Quan Food Laboratory.....	1
FOSM 1130	Basic Baking.....	3
INFO 1100	Comp Concepts & Applications.....	3
ENGL 1108	Written English II (PR: "C" in ENGL 1104).....	3
		16

SUMMER

FOSM 2229	Food Service Practicum.....	6
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SOPHOMORE FIRST SEMESTER

FOSM 1110	Nutrition.....	3
FOSM 2230	Advanced Baking.....	3
FOSM 2224	Purchasing & Receiving.....	3
FOSM 2228	Food Service Org/Mgmt.....	3
MGMT 2209	Principles of Management.....	3
		15

SOPHOMORE SECOND SEMESTER

FOSM 2232	Pastry & Confections.....	3
FOSM 2229	Food Service Practicum.....	3
MKTG 2204	Principles of Marketing.....	3
General Education Elective-Restricted Elective (see advisor)....		3
May select additional business elective (see advisor)		
		12

Resort & Hotel Management Specialization

■ Pamela Hamilton

Associate Professor and Program Coordinator

137 Education Building / (304) 367-4297

phamilton@fairmontstate.edu

The Food Service Management program has stepped forward to address the demands of the hotel, resort, and tourism segments of the hospitality industry. The Resort & Hotel Management specialization will focus on preparing students for a career in the support services of the hospitality and lodging industries. Resort & Hotel Management fits within the current Food Service Management program structure. The Resort & Hotel Management specialization will train workers for positions in entry level to middle management. The emphasis will be in the front house operations. Students electing to pursue this degree will benefit from several of our current classes, and in addition, will take new courses specifically designed to offer students an opportunity to study service and guest services, housekeeping, catering and banquets, and front desk operations.

REQUIRED COURSES

• Resort & Hotel Management Specialization.. 64 sem. hrs.

ACCT 2201	Principles of Accounting.....	3
BUSN 1102	Intro to Business.....	3
ENGL 1108	Written English II.....	3
ENGL 1104	Written English I.....	3
FOSM 1110	Nutrition.....	3
FOSM 1119	Intro to Food Service Industry.....	3
FOSM 1121	Food Service Fac. & Equipment.....	3
FOSM 1122	Sanitation & Safety.....	2
FOSM 1140	Food Service Cost Analy & Man.....	3
FOSM 2200	Introduction to Foods.....	3
FOSM 2202	Principles of Quantity Foods.....	3
FOSM 2224	Purchasing & Receiving.....	3
FOSM 2225	Resort & Hotel Management.....	3
FOSM 2228	Food Service Org/Mgmt.....	3
FOSM 2227	Food & Beverage Merchandising.....	3
FOSM 2229	Food Service Practicum.....	8
INFO 1110	Comp Concepts & Applications.....	3
MKTG 2204	Principles of Marketing.....	3
MGMT 2209	Principles of Mgmt.....	3
SOCY 1110	Introduction to Sociology.....	3

• Model Schedule 64 sem. hrs.

FRESHMAN FIRST SEMESTER

FOSM 1119	Intro to Food Service Industry.....	3
FOSM 1121	Food Service Fac. & Equipment.....	3
FOSM 1122	Sanitation & Safety.....	2
FOSM 2200	Introduction to Foods.....	3
FOSM 1110	Nutrition.....	3
ENGL 1104	Written English I.....	3
		17

FRESHMAN SECOND SEMESTER

FOSM 1140	Food Service Cost Analy & Man.....	3
FOSM 2202	Principles of Quantity Foods.....	3
BUSN 1102	Intro to Business.....	3
ENGL 1108	Written English II.....	3
INFO 1110	Comp Concepts & Applications.....	3
		15

SUMMER

FOSM 2229	Food Service Practicum.....	4
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SOPHOMORE FIRST SEMESTER

FOSM	2224	Purchasing & Receiving	3
FOSM	2225	Resort & Hotel Management	3
FOSM	2228	Food Service Org/Mgmt.....	3
SOCY	1110	Introduction to Sociology.....	3
MGMT	2209	Principles of Mgmt	3
			15

SOPHOMORE SECOND SEMESTER

ACCT	2201	Principles of Accounting	3
FOSM	2227	Food & Beverage Merchandising	3
FOSM	2229	Food Service Practicum	4
MKTG	2204	Principles of Marketing	3
			12

ProMgmt® CERTIFICATE

(Skill Set)

■ Brian Floyd, Certified Executive Chef, Instructor and Program Coordinator
140 Education Building / (304) 367-4409
bfloyd@fairmontstate.edu

This series of courses are endorsed by the National Restaurant Association, providing a college level curriculum driven by a collaboration with business and setting a much needed industry standard of knowledge and skills. Fairmont State Community & Technical College Food Service Management program has been approved as a partner with the National Restaurant Association to become a ProMgmt instructional site. The potential audience for this program will be both traditional and non-traditional students. The primary focus for recruitment of students for this program will come from ProStart programs. ProStart is taught at the high school and vocational level, and is the feeder program leading into ProMgmt certificate program. ProMgmt will also be taken by general culinary students and by foodservice and restaurant employees seeking a certificate program for career advancement. Students will be able to complete the ProMgmt program within two semesters. The philosophy behind the certificate is to give the students a step approach to their education, from secondary school to college. Students have an opportunity to complete 20 hours towards an associate degree and the certificate or choose to do the certificate as a stand-alone certification. Then if they decide to do so, they may apply that credit toward a 2-year associate degree in Food Service Management. The courses chosen for this certificate were carefully chosen to meet all National Restaurant certification guidelines.

REQUIRED COURSES:

• ProMgmt®			20 sem. hrs.
FOSM	1122	Sanitation and Safety	2
FOSM	1119	Intro Food Service Industry.....	3
FOSM	1130	Basic Baking	3
FOSM	2201	Principles of Food Selection & Preparation....	3
FOSM	2224	Purchasing & Receiving	3
FOSM	2227	Food & Beverage Merchandising	3
MKTG	2204	Principles of Marketing	3

SERVE SAFE®

(Skill Set)

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140 Education Building / (304) 367-4409
bfloyd@fairmontstate.edu

This Skill Set is a single course that will provide a certificate awarded by the C&TC that is recognized as certification of training in sanitation policy and procedures for food service workers as required by their employer.

REQUIRED COURSE:

FOSM 1122	Sanitation and Safety	2
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GRAPHICS TECHNOLOGY

(Associate of Science)

■ Vijay Raol, Coordinator A.S. Degree Program
105 Wallman Hall / 367-4104
jraol@fairmontstate.edu

• Graphics Technology	64 sem. hrs.
• Common Core Courses	43 sem. hrs.

ENGL	1104	Written English I.....	3
ENGL	1108	Written English II.....	3
SPCH	1100	Intro to Speech Communications	3
INFO	1100	Computer Concepts and Applications.....	3
Science/Social		Science Elective	3
DRFT	1100	Engineering Graphics.....	3
GRAP	1100	Graphic Communications Processes.....	3
GRAP	1125	Multimedia Concepts	3
GRAP	1150	Computer Applications to Graphics.....	3
GRAP	2210	Graphics: Methods & Materials	3
GRAP	2225	Basic Photography	3
GRAP	2230	Graphic Design	3
GRAP	2250	Graphics Practicum	4
OFAD	2250	Desktop Publishing	3

Commercial Design Option.....			21 sem. hrs.
ART	1140	Art Structure & App Design	3
ART	1141	Art Structure & App Design	3
ART	1142	Drawing	3
ART	2241	Drawing from Life	3
MATH	1107	Fundamental Concepts	3
ART		Elective	3
GRAP		Elective	3

<i>Electronic Publishing Option</i>			21 sem. hrs.
DRFT	2200	Fundamentals of CAD.....	3
GRAP	2245	Digital Photography	3
GRAP	2265	Estimating & Cost Analysis	3
GRAP	2285	Electronic Art.....	3
GRAP	2290	Computer Imaging	3
GRAP		Elective	3
TECH	1101	Intro to Technology	3

<i>Internet Publishing Option</i>			21 hrs
DRFT	2200	Fundamentals of CAD.....	3
GRAP	2245	Digital Photography	3
GRAP	2255	Internet Animation	3
GRAP	2280	Internet Publishing.....	3
GRAP	2285	Electronic Art.....	3
GRAP	2290	Computer Imaging	3
GRAP		Elective	3

• Minor, B.A. and B.S. Degree.....	33 sem. hrs.
ART 1140 Art Structure and Applied Design.....	3
ART 1141 Art Structure and Applied Design.....	3
ART 1142 Drawing.....	3
ART 2241 Drawing from Life	3
ART 3363 Painting in Watercolor	3
GRAP 1100 Graphic Communication Processes	3
GRAP 1150 Computer Applications to Graphics.....	3
GRAP 2200 Introduction to Desktop Publishing.....	3
GRAP 2210 Graphics - Methods and Materials	3
GRAP 2225 Basic Photography	3
GRAP 2230 Layout and Design I	3

Commercial Design Option

- Model Schedule 64 sem. hrs.

FRESHMAN FIRST SEMESTER

GRAP 1100 Graphic Communication Processes	3
ART 1140 Art Structure I	3
ART 1142 Drawing.....	3
GRAP 1150 Computer Applications to Graphics.....	3
SPCH 1100 Intro. of Speech Communication	3
ENGL 1104 Written English I.....	3
	18

FRESHMAN SECOND SEMESTER

ART 1141 Art Structure.....	3
ART 2241 Drawing from Life	3
OFAD 2250 Desktop Publishing	3
GRAP 2210 Graphics-Methods & Mat.....	3
ENGL 1108 Written English II.....	3
	15

SOPHOMORE FIRST SEMESTER

GRAP 2225 Basic Photography	3
GRAP 2230 Graphics Design	3
GRAP 1125 Multimedia Concepts	3
ART Elective	3
DRFT 1100 Engineering Graphics.....	3
	15

SOPHOMORE SECOND SEMESTER

GRAP Elective	3
GRAP 2250 Graphics Practicum (Instructor Approval).....	4
INFO 1100 Computer Concepts	3
MATH 1107 Fundamental Concepts	3
Sci./Soc. Sci. Elective.....	3
	16

Commercial Design Option

- Model Schedule 64 sem. hrs.

FRESHMAN FIRST SEMESTER

GRAP 1100 Graphic Communication Processes	3
GRAP 1150 Computer App. to Graphics.....	3
TECH 1101 Intro. to Technology	3
SPCH 1100 Intro. to Speech Communication	3
ENGL 1104 Written English I.....	3
GRAP 1125 Multimedia Concepts	3
	18

FRESHMAN SECOND SEMESTER

GRAP 2210 Graphics-Methods & Material	3
DRFT 1100 Engineering Graphics.....	3
OFAD 2250 Desktop Publishing	3
GRAP 2225 Basic Photography	3
ENGL 1108 Written English II.....	3
	15

SOPHOMORE FIRST SEMESTER

GRAP 2245 Digital Photography	3
GRAP 2230 Graphic Design	3
GRAP 2265 Estimating.....	3
INFO 1100 Comp. Concepts & Appls.....	3
GRAP Elective	3
	15

SOPHOMORE SECOND SEMESTER

GRAP 2285 Electronic Art.....	3
GRAP 2250 Graphics Practicum	4
GRAP 2290 Computer Imaging	3
DRFT 2200 Fundamentals of CAD.....	3
Sci./Soc. Sci. Elective.....	3
	16

Internet Publishing Option

- Model Schedule 64

FRESHMAN FIRST SEMESTER

GRAP 1100 Graphic Communication Processes	3
INFO 1100 Computer Concepts & Appls.....	3
GRAP 1150 Computer App. to Graphics	3
SPCH 1100 Intro. to Speech Communication	3
ENGL 1104 Written English I.....	3
GRAP 1125 Multimedia Concepts	3
	18

FRESHMAN SECOND SEMESTER

DRFT 1100 Engineering Graphics.....	3
OFAD 2250 Desktop Publishing	3
GRAP 2210 Graphics-Methods & Mat.....	3
GRAP 2225 Basic Photography	3
ENGL 108 Written English II.....	3
	15

SOPHOMORE FIRST SEMESTER

GRAP 2245 Digital Photography	3
GRAP 2230 Graphic Design	3
GRAP 2280 Electronic Publishing.....	3
GRAP 2285 Electronic Art.....	3
GRAP 2255 Internet Animation	3
	15

SOPHOMORE SECOND SEMESTER

GRAP 2250 Graphics Practicum	4
GRAP 2290 Computer Imaging	3
GRAP Elective	3
GRAP Elective	3
Sci./Soc. Sci. Elective.....	3
	16

HEALTH INFORMATION TECHNOLOGY

(Associate of Applied Science)

■ Vickie Findley, MPA, RHIA, Program Coordinator

202 Education Building / 367-4716

vfindley@fairmontstate.edu

HIT@fairmontstate.edu

The Health Information Technology Program is designed to prepare students to work as a health information technician in various health care facilities.

The health information technician is trained in all functions of health information systems including record assembly, analysis, abstracting, storage and retrieval, statistical reporting and analysis, transcription, legal aspects of health information with release of information, disease and operation coding

and indexing including computer use and DRG assignments, requirements for licensure and accreditation, quality assessment, risk management and supervision.

In addition to the mastery of technical skills in word processing equipment, abstracting data to support quality assessment activities and support to various committees the technician will be prepared to accept the responsibility of supervising health information operations in a variety of health facilities.

The Health Information Technology Program is accredited by the Commission on Accreditation for Health Informatics and Information Management (CAHIIM), a component of the American Health Information Management Association. Graduates of the program are eligible to apply to write the accreditation examination of the American Health Information Management Association for the designation RHIT-Registered Health Information Technician.

Applicants are advised to make application before April 1. Admission to the program is based on high school transcripts, ACT or SAT or placement testing (COMPASS English and Math), and college transcripts when applicable.

To remain in the HIT program, a student must receive a grade of "C" or above in every HIT course and in prerequisite course. Support courses identified as prerequisites of subsequent HIT courses require a "C" or above to progress. Failure to meet these requirements will result in dismissal from the program. If a student withdraws from a HIT course during the program, they may be subject to dismissal from the program. Readmission is on the basis of space availability, faculty review, and credentials review. An overall "C" average must be maintained in order to graduate from the HIT program. Additionally, in order to graduate from the college, the student must achieve a "C" or above in English 104 and English 108.

Places of Employment:

- Hospitals
- Physicians Offices
- Clinics
- Health Agencies
- Supply Vendors
- Nursing Homes

Types of Employment:

- Health Information Clerk
- Transcriptionist
- Supervisor
- Medical Audit/DRG Analyst
- Coder
- Specialty Registries

• Model Schedule 73 sem. hrs.

FRESHMAN FIRST SEMESTER

HLIN	1100	Fundamentals of Health Information	4
HLIN	1100	Fundamentals of Health Information Lab	1
HLCA	1100	Medical Terminology	3
ENGL	1104	Written English I	3
INFO	1100	Computer Concepts and Applications	3
PSYC	1101	Introduction to Psychology	3
HLIN	1101	Health Information Community Service	1
			18

FRESHMAN SECOND SEMESTER

BIOL	1170	Anatomy and Physiology	4
ENGL	1108	Written English II	3
HLIN	1105	Computers in Health Care	3
HLIN	1109	Health Care Statistics	3

HLIN	1110	Legal Aspects of Health Information	3
General Studies Elective			3
			19

FIRST SUMMER TERM

HLIN	1115	Alternate Care Settings	2
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SOPHOMORE FIRST SEMESTER

HLCA	1102	Pathophysiology	3
HLIN	2200	Interpretation of Diagnostic Data	3
HLIN	2203	Quality Assessment/Utilization Review	3
HLIN	2205	Classification System I - ICD	5
HLIN	2206	Clinical Practicum I	4
			18

SOPHOMORE SECOND SEMESTER

HLIN	2202	Reimbursement Systems	2
HLIN	2207	Health Information Supervision	3
HLIN	2208	Clinical Practicum II	4
HLIN	2209	Classification System II - CPT	5
HLIN	2210	Health Information Technology Capstone	2
			16

HOMELAND SECURITY

(Associate of Applied Sciences)

■ Les Boggess, Associate Professor

315 Hardway Hall / 367-4678

lboggess@fairmontstate.edu

This program provides education and training for individuals desiring to be a part of the new and rapidly emerging workforce in homeland security. Students accepted to this program must provide proof of US citizenship, and pass a background check.

Individuals who successfully complete this program will find many employment opportunities such as: defense corporations, hospitals, the aviation industry, regional security offices, shopping mall security, state and federal emergency management. Students must complete the Core courses and select either Criminal Justice, EMS, Aviation or Safety tract to complete the degree requirements.

• Homeland Security 68 -71 sem. hrs.			
• Core Courses 41 sem. hrs.			
ENGL	1104	Written English I	3
ENGL	1108	Written English II	3
or			
ENGL	1109	Technical Report Writing	3
INFO	1100	Computer Concepts and Applications	3
POLI	1103	American Government	3
SOCY	1110	Intro to Sociology	3
or			
PSYC	1101	Intro to Psychology	3
Math or Science			3
SPCH	1100	Introduction to Speech Communications	3
CRJU	2257	Risk Management *	3
AVMA	2206	Aviation Security *	3
EMMS	1112	EMS ERT: Basic Concepts	3
SFTY	2205	Disaster Preparedness *	3
INTR	2250	Interdisciplinary Practicum *	3
PHED	1100	Fitness and Wellness	2
Ethics Elective (Any 3 hour Ethics Class)			3

<i>Aviation Track</i>	27 sem. hrs.
AVMA 1100 Intro to Flight Theory.....	3
AVMA 2211 Airport Management.....	3
AVMA 2205 General Aviation Ops.....	3
AVMA 1109 Air Rescue Fire Fighting.....	3
AVMA 2202 Aviation Law	3
AVMA 2213 Airport Plan & Develop	3
AVMA 2203 Airline Operations	3
AVMA 2225 Airline Transport Security.....	3
AVMA 2207 Aviation Safety.....	3

<i>Criminal Justice Track</i>	30 sem. hrs.
SOCY 2200 Social Problems.....	3
PSYC 2250 Community Psychology	3
SOCY 1110 Intro to Sociology.....	3
or	
PSYC 1101 Intro Psychology	3
<i>(whichever not taken as core)</i>	
CRJU 1100 Introduction to Criminal Justice	3
CRJU 1101 Police Operations	3
CRJU 2202 Principles of Criminal Law.....	3
CRJU 2209 Firearms	3
CRJU 2215 Introduction to Private Security.....	3
CRJU 2260 Terrorism, Counter Ter., and Ter. Response* ...	3
CRJU 2236 Criminal Investigation	3

<i>EMS Track</i>	24 sem. hrs.
EMMS 1100 Introduction to EMS	2
EMMS 1103 EMT – Basic.....	7
EMMS 1104 EMS Operations.....	2
EMMS 1111 Homeland Security Practicum I*	1
EMMS 2221 Homeland Security Practicum II*	1
EMMS 2222 Emergency Response to Terrorism:	
Tactical Considerations*	3
EMMS 2223 Homeland Security Practicum III*	1
EMMS 2224 Basic Life Support & Hazardous Materials	3
EMMS 2225 Homeland Security Practicum IV*	1
SFTY 2210 HazWOPER**	3

<i>Safety Track</i>	25 hrs
SFTY 1100 Safety and Environmental Components.....	3
SFTY 2210 HazWOPER **	3
SFTY 2260 Fire Prevention.....	3
SFTY 2290 Intro Industrial Hygiene.....	3
EMMS 2224 BLS and Hazardous Materials Response *	2
MATH 1102 Applied Technical Math.....	3
CHEM 1101 General Chemistry.....	4
CHEM 1102 General Chemistry.....	4

* New Courses specifically developed for this program.

** New Courses specifically developed for this program and from which certification is granted upon completion.

Aviation Track

• Model Schedule 68 sem. hrs.

FRESHMAN FIRST SEMESTER

ENGL 1104 Written English I.....	3
INFO 1100 Comp Concepts	3
PSYC 1101 Intro to Psychology.....	3
AVMA 1100 Aircraft Flight Theory.....	3
AVMA 2206 Aviation Security.....	3
PHED 1100 Fitness & Well	2

17

FRESHMAN SECOND SEMESTER

ENGL 1108 Written English II.....	3
or	
ENGL 1109 Tech Report Writing.....	3
AVMA 2211 Airport Management.....	3
POLI 1103 American Government.....	3
AVMA 2205 General Aviation Ops.....	3
AVMA 1109 Air Rescue Fire Fight	3

15

SOPHOMORE FIRST SEMESTER

SPCH 1100 Intro to Speech Com	3
MATH 1107 Fund Concepts of Math.....	3
AVMA 2202 Aviation Law	3
CRJU 2256 Risk Management.....	3
AVMA 2213 Airport Planning & Dev.	3
AVMA 2203 Airline Operations	3

18

SOPHOMORE SECOND SEMESTER

SFTY 2205 Disaster Preparedness	3
AVMA 2225 Transport Security.....	3
AVMA 2207 Aviation Safety.....	3
EMMS 1112 EMS ERT: Basic Concepts.....	3
INTR 2250 Interdisciplinary Practicum	3
Ethics elective.....	3

18

Criminal Justice Track

• Model Schedule 71 sem. hrs.

FRESHMAN FIRST SEMESTER

ENGL 1104 Written English I.....	3
POLI 1103 American Govt.....	3
PSYC 1101 Intro to Psychology	3
SOCY 1110 Intro to Sociology.....	3
CRJU 1100 Intro to Crim Justice	3
PHED 1100 Fitness Wellness	2

17

FRESHMAN SECOND SEMESTER

ENGL 1108 Written English II.....	3
or	
ENGL 1109 Tech Report Writing.....	3
PSYC 2250 Community Psych	3
SOCY 2200 Social Problems.....	3
CRJU 1101 Police Operations.....	3
CRJU 2215 Intro to Pri. Security.....	3
INTR 2250 Interdisciplinary Prac.....	3

18

SOPHOMORE FIRST SEMESTER

SPCH 1100 Intro to Speech Comm.....	3
Math or Science (See Catalog)	3
CRJU 2202 Prin of Criminal Law	3
AVMA 2206 Aviation Security.....	3
CRJU 2209 Firearms.....	3
CRJU 2236 Criminal Investigation.....	3

18

SOPHOMORE SECOND SEMESTER

Ethics Elective	3
SFTY 2205 Disaster Preparedness	3
INFO 1100 Comp Concepts	3
CRJU 2260 Terrorism.....	3
CRJU 2257 Risk Management.....	3
EMMS 1112 EMS Resp. to Terr.	3

18

Emergency Medical Services Track

- Model Schedule 66 sem. hrs.

FRESHMAN FIRST SEMESTER

EMMS	1100	Intro to EMS.....	2
EMMS	1103	EMT-Basic.....	7
EMMS	1104	EMS Operations.....	2
ENGL	1104	Written English I.....	3
POLI	1103	American Govt.....	3
EMMS	1111	HLS Practicum-I.....	1
			18

FRESHMAN SECOND SEMESTER

ENGL	1108	Written English II.....	3
or			
ENGL	1109	Tech Report Writing.....	3
SFTY	2205	Disaster Preparedness.....	3
AVMA	2206	Aviation Security.....	3
PHED	1100	Fitness & Wellness.....	3
EMMS	1112	ERT: Basic Concepts.....	3
EMMS	2221	HLS Practicum-II.....	1
			16

SOPHOMORE FIRST SEMESTER

EMMS	2222	ERT: EMS Tact Cons.....	3
CRJU	2256	Risk Management.....	3
MATH	1107	Fund Concepts of Math.....	3
PSYC	1101	Intro to Psychology.....	3
SPCH	1100	Intro to Speech Comm.....	3
EMMS	2223	HLS Practicum-III.....	1
			16

SOPHOMORE SECOND SEMESTER

Ethics	<i>Any 3 hour Ethics Course.....</i>		3
SFTY	2210	HazWOPER.....	3
INTR	1100	Comp Concepts.....	3
EMMS	2224	BLS: Haz-mat Resp.....	3
SOCY	1110	Intro to Sociology.....	3
EMMS	2225	HLS Practicum-IV.....	1
			16

Safety Track

- Model Schedule 68 sem. hrs.

FRESHMAN FIRST SEMESTER

ENGL	1104	Written English I.....	3
POLI	1103	American Govt.....	3
PSYC	1101	Intro to Psychology.....	3
MATH	1101	Applied Tech Math.....	3
SFTY	1100	Safety and Environmental Components.....	3
SPCH	1100	Intro to Speech Comm.....	3
			18

FRESHMAN SECOND SEMESTER

ENGL	1108	Written English II.....	3
or			
ENGL	1109	Tech Report Writing.....	3
MATH	1102	Applied Tech Math.....	3
SFTY	2205	Disaster Preparedness.....	3
AVMA	2206	Aviation Security.....	3
INTR	2250	Multidisciplinary Intern.....	3
PHED	1100	Fitness & Wellness.....	3
			18

SOPHOMORE FIRST SEMESTER

CRJU	2257	Risk Management.....	3
CHEM	1101	Gen Chemistry.....	4
EMMS	1112	EMS ERT: Basic Con.....	3
SFTY	2290	Intro Industrial Hyg.....	3
Ethics	(Any 3 hour Ethics class).....		3
			16

SOPHOMORE FIRST SEMESTER

SFTY	2210	HazWOPER.....	3
CHEM	1102	General Chemistry.....	4
INFO	1100	Comp Concepts.....	3
SFTY	2260	Fire Prevention.....	3
EMMS	2224	BLS & HazMat Resp.....	3
			16

INFORMATION SYSTEMS

(Associate of Applied Science)

■ Holly Yuan
Colebank Hall

The Associate Degree in Information Systems Technology provides students with a solid basis in computer and network design, implementation and troubleshooting. The degree has fundamental classes that teach problem-solving and skill sets that are essential to all types of businesses today. Throughout the course of study, students select Information Systems electives that are tailored toward their career objectives. The goal of the program is to provide students the knowledge and skills that they need to be productive members of the ever-growing and changing Information Technology workforce.

- Information Systems 66 sem. hrs.
- Required courses 54 sem. hrs.

ACCT	2201	Principles of Accounting I.....	3
BUSN	1102	Introduction to Business.....	3
BUSN	2210	Human Relations in Business.....	3
BUSN	2251	Corporate Communications.....	3
ENGL	1104	Written English.....	3
ENGL	1109	Technical Report Writing.....	3
FINC	2230	Financial Literacy.....	3
INFO	1100	Computer Concepts and Applications.....	3
INFO	2200	Fundamentals of Information Systems.....	3
INFO	2205	Information Technology-Hardware & Software.....	3
INFO	2206	Advanced Hardware & Operating Systems ...	3
INFO	2210	Applied Business Programming.....	3
INFO	2242	Professional Internship and Portfolio Development.....	3
INFO	2250	Network Fundamentals.....	3
MATH	1107	Fundamental Concepts of Math (or higher math).....	3
MGMT	2214	Office Management.....	3
PSYC	1101	Introduction to Psychology.....	3
SPCH	1100	Speech Communications.....	3

Choose an additional 12 hours from the following:

INFO	2220	Spreadsheet Design.....	3
INFO	2225	Fundamentals of Web Design.....	3
INFO	2251	Router Theory and Technologies.....	3
INFO	2252	Advanced Routing & Switching.....	3
INFO	2253	Project Based Learning.....	3
INFO	2255	Fundamentals of UNIX.....	3
OFAD	2230	Introduction to Word Processing.....	3
OFAD	2232	Word Processing Applications.....	3
OFAD	2233	Database Applications.....	3
OFAD	2250	Desktop Publishing.....	3
Elective (Advisor approval required).....			3

INTERPRETER TRAINING PROGRAM

(Associate Arts of Science Degree)

■ Ruby Losh
303b Jaynes Hall
rlosh@fairmontstate.edu

Students must make formal application to the program. Students must demonstrate sign proficiency, knowledge of the deaf culture and a general understanding of the interpreting profession during a "sign only" interview prior to admission to the program. A formal interview and evaluation system will be established which selects 15-20 students. Students must complete the One-Year Immersion ASL Certificate program or have completed AMSL 1111, AMSL 1199, for AMSL 1111, AMSL 1112, AMSL 1199 for AMSL 1112, AMSL 1113, AMSL 1199 for AMSL 1113, AMSL 1114, AMSL 1199 for AMSL 1114, AMSL 1101, AMSL 1104, English 1104 and 1108 or 1109 and one general studies requirement or demonstrate skills required for this certificate.

• Interpreter Training Program 64 Semester Hrs.

FRESHMAN FIRST SEMESTER

AMSL	1111	American Sign Language I (8 Weeks)	3
AMSL	1112	American Sign Language II (8 Weeks)	3
AMSL	1101	Deaf Culture and History	3
ENGL	1104	Written English I	3
SPCH	1100	Introduction to Speech Communication	3
			18

FRESHMAN SECOND SEMESTER

AMSL	1113	American Sign Language III (8 Weeks)	3
AMSL	1114	American Sign Language IV (8 Weeks)	3
AMSL	1104	ASL Fingerspelling	3
ENGL	1108	Written English II	3
-or-			
ENGL	1109	Technical Writing	3
INFO	1100	Computer Concepts and Application	3
SOCY	1110	Introduction to Sociology	3
-or-			
PSYC	1101	Introduction to Psychology	3
			18

SOPHOMORE FIRST SEMESTER

**ITTP	2200	American Sign Language - Level V	3
**ITTP	2201	Sign-to-Voice Interpreting I	3
**ITTP	2202	Voice-to-Sign Interpreting I	3
**ITTP	2203	Simultaneous Interpreting I	3
EDUC	2220	Areas of Exceptionality in Special Education	3
			15

SOPHOMORE SECOND SEMESTER

**ITTP	2204	American Sign Language - Level VI	3
**ITTP	2205	Sign-to-Voice Interpreting II	3
**ITTP	2206	Voice-to-Sign Interpreting II	3
**ITTP	2207	Simultaneous Interpreting II	3
**ITTP	2208	Legal and Ethics Aspects of Interpreting	3
**ITTP	2209	Interpreting as Private Practice	3
			18

* All students must demonstrate a math competency. This competency can be demonstrated by a Math ACT of 19, SAT Quantitative score of 460, COMPASS Math score of 36, or completion of Math 0095.

** Students must be admitted to Interpreter Training Program to any ITTP course.

LABORATORY ASSISTANT

(One Year Certificate)

■ Dr. Rosemarie Romesburg, Program Director
211 Education Building / (304) 367-4284
rromesburg@fairmontstate.edu

The Laboratory Assistant Program at Fairmont State Community & Technical College is a one-year certificate degree program designed to educate and prepare students for work in a laboratory under the supervision of a technologist, technician, analyst or scientist.

Students in the program receive didactic instruction and laboratory training in basic and advanced laboratory skills, technical report writing, general chemistry, basic anatomy and physiology, CPR (Basic Life Support) and safety procedures and computer concepts and applications.

Assistants are employed in a variety of settings, including hospitals, clinics, research facilities, industry, federal and state agencies.

• Model Schedule I 34 sem. hrs. (for students who need to complete mathematics, English or chemistry prerequisites)

SUMMER SESSION I & II

English, Math and Chem	Prerequisites variable
EMMS 1109 CPR and Safety	1
INFO 1100 Computer Concepts & Applications	3
	4

FRESHMAN FIRST SEMESTER

ENGL	1104	Written English I	3
MATH	1107	or higher	3
CHEM	1101	General Chemistry I	4
-or-			
SCIE	1110	Chemistry of Life	4
LABA	1106	Basic Lab Skills Theory	2
LABA	1107	Basic Lab Skills	1
HLCA	1105	Phlebotomy Theory	1
HLCA	1101	Introduction to Health Careers Programs	1
			15

FRESHMAN SECOND SEMESTER

ENGL	1109	Technical Report Writing	3
or			
ENGL	1108	Written English II	3
HLCA	2205	Phlebotomy Practicum	1
BIOL	1170	Anatomy and Physiology	4
LABA	2206	Advanced Lab Skills Theory	3
LABA	2207	Advanced Lab Skills	1
HLCA	1100	Medical Terminology	3
			15

• Model Schedule II 34 sem. hrs. (for students who have met all mathematics, English and chemistry prerequisites)

FRESHMAN FIRST SEMESTER

ENGL	1104	Written English I	3
MATH	1107	or higher	3
LABA	1106	Basic Lab Skills Theory	2
LABA	1107	Basic Lab Skills	1
HLCA	1105	Phlebotomy Theory	1
CHEM	1101	General Chemistry I	4
-or-			
SCIE	1110	Chemistry of Life	4

HLCA 1101	Introduction to Health Careers Programs	1
EMMS 1109	CPR and Safety	1
		16

FRESHMAN SECOND SEMESTER

ENGL 1109	Technical Report Writing.....	3
-or-		
ENGL 1108	Written English II.....	3
BIOL 1170	Anatomy and Physiology	4
INFO 1100	Computer Concepts & Applications	3
HLCA 2205	Phlebotomy Practicum	1
LABA 2206	Advanced Lab Skills Theory.....	3
LABA 2207	Advanced Lab Skills	1
HLCA 1100	Medical Terminology	3
		18

LIBERAL STUDIES

(Associate of Arts)

■ Jean Bolyard

201 Jaynes Hall / (304) 367-4195

mbolyard@fairmontstate.edu

The Liberal Studies Associate of Arts degree is excellent for students who wish to complete a degree before planning a specific career objective. Some technical and professional occupations require applicants to have completed at least two years of college before entering their training programs. The Liberal Studies degree will give students that background.

This degree also benefits those students who are undecided about a major and those who wish to improve their general education or update their skills. The courses follow the Liberal Studies curriculum of the College.

The Associate of Arts degree in Liberal Studies is useful for students with the following goals:

- Entrance to a professional and technical occupation that requires applicants to complete at least two years of college work before it will accept them.
- Completion of a two-year degree before planning specific career objectives.
- Continuation or transfer into four-year degree programs.*
- Completion of a two-year degree when temporarily unable to complete a four-year degree.
- Background in liberal arts that may facilitate career selection.
- Improvement of general education.
- Updating of skills and knowledge in the liberal arts.

* Students planning to transfer to four-year programs should consult the requirements of those programs to select the most appropriate courses in the Liberal Studies program.

• Model Schedule 64 sem. hrs.

FRESHMAN FIRST SEMESTER

First Year Experience: ENGL 1104	3
First Year Experience: MATH 1107.....	3
(or higher, excluding MATH 1111)	
Artistic/Creative Expression: ART 1120, MUSIC 1120,	
Theatre 1120, INTR 1120.....	3
Society/Human Interactions: PSYC 1101; SOCI 1110, 1111;	
ECON 2200, 2201; GEOG 2210;	
POLI 1103, 2200, 2201, 2203.....	3
Electives	4
	16

FRESHMAN SECOND SEMESTER

First Year Experience: ENGL 1108	3
First Year Experience: INFO 1100.....	3
First Year Experience: SPCH 1100.....	3
Culture/Civilization Exploration: HIST 1107, 1108, 2211, 2212,	
2213; PHIL 2200, 2250; FREN 2201, 2202 or	
SPAN 2201, 2202	3
Electives	4
	16

SOPHOMORE FIRST SEMESTER

Culture/Civilization Exploration: ENGL 2220 and 2221	
or ENGL 2230 and 2231.....	3
Society/Human Interactions: PSYC 1101; SOCI 1110, 1111;	
ECON 2200, 2201; GEOG 2210; POLI 1103, 2200,	
2201, 2203	3
Scientific Discovery: BIOL 1105; CHEM 1101, 1105;	
GEOG 1101; PHYS 1101, 1105; SCIE 1110; SCIE 1199*	4
Electives	6
	16

SOPHOMORE SECOND SEMESTER

Culture/Civilization Exploration: ENGL 2220 and 2221	
OR ENGL 2230 and 2231.....	3
In-depth Artistic/Creative Expression Course or	
Interdisciplinary/Advanced Studies**	3
Scientific Discovery: BIOL 1106; CHEM 1102, 1106;	
GEOG 1102, 1103; PHYS 1102, 1106; SCIE 1199*	4
Electives	6
	16

* Recommended for non-science majors

** Students choose three hours from the following:

In-depth Artistic/Creative Expression

APPD 1116	History of Contemporary Fashion.....	3
ARCH 1130	Architectural History I.....	3
ARCH 1160	Architectural History II.....	3
ART 2278	Art from Prehistoric to 1450.....	3
THEA 2260	Theatre History	3

Performance-based Courses

APPD 1102	Apparel Design	3
ART 1142	Drawing	3
ART 2241	Drawing from Life	3
ART 2261	Painting.....	3
ART 2283	Modeling and Sculpture.....	3
DANC 1100	Intro to Ballroom Dancing	2
GRAP 2225	Basic Photography	3
GRAP 2290	Electronic Art & Computer Imaging	3
MUSI 1105	Functional Piano 1-IV	1
MUSI 1139	Voice Class.....	1
MUSI 1167	Collegiate Singers	2
MUSI 1168	Marching Band.....	1
MUSI 1169	Concert Band.....	1
MUSI 1172	Orchestra	1
MUSI 2247	Stage Band.....	1
MUSI 2277	Chamber Choir	1
RECR 1146	Folk & Square Dancing	2
THEA 1148	Theatre Workshop I	1
THEA 2212	Theatrical Makeup	1
THEA 2220	Oral Interpretation.....	3
THEA 2230	Acting.....	3
THEA 2238	Acting Workshop I.....	1
THEA 2244	Intro to Theatrical Design.....	3
PHED 1100	Fitness & Wellness	2

Interdisciplinary/Advanced Studies

FOLK	2200	Introduction to Folklore	3
INTR	1100	Race, Class, and Gender	3
INTR	2201	Introduction to Women's Studies	3
INTR	2280	Empowering Leadership	3
INTR	2281	Great Ideas of Leaders	3

MECHANICAL ENGINEERING TECHNOLOGY

(Associate of Science)

(SEE FAIRMONT STATE UNIVERSITY CATALOG)

MEDICAL LABORATORY TECHNOLOGY

(Associate of Applied Science)

■ Dr. Rosemarie Romesburg, Program Coordinator

211 Education Building / (304) 367-4284

rromesburg@fairmontstate.edu

The two-year Medical Laboratory Technology (MLT) Program is nationally accredited by the National Accrediting Agency for Clinical Laboratory Sciences, 8410 Bryn Mawr Avenue, Suite 670, Chicago, IL 60631, 773-714-8880. The MLT Program provides learning experiences both on the Fairmont State campus and in a clinical setting. In addition to general studies requirements and a laboratory based general science curriculum, 46 credit hours are required in MLT clinical lecture and laboratory courses, integrated with a hospital or clinic based practicum experience to complete the degree. Students will attend one or more of the following clinical affiliates during the second year of MLT instruction: Davis Memorial Hospital in Elkins; Fairmont Clinic in Fairmont; Fairmont General Hospital in Fairmont; St. Joseph's Hospital in Buckhannon; Grafton City Hospital in Grafton; Preston County Memorial Hospital in Kingwood; Stonewall Jackson Memorial Hospital in Weston; Louis A. Johnson VA Medical Center; the United Hospital Center in Clarksburg; The Washington Hospital in Washington, PA and The Institute for Transfusion Medicine in Pittsburgh, PA. Students must be willing to drive to these sites or any other site that becomes an affiliate of the MLT program. To be considered for admission to the MLT program, the applicant must:

- Meet the general admission requirements of Fairmont State Community & Technology College.
- Have successfully completed courses in Biology, Chemistry and Algebra in high school or college.
- Have a score of 19 or better in the Math portion of the ACT (or SAT equivalent) or a 36 or better in the COMPASS algebra test, or have successfully completed Math 0095.
- Have a score of 18 or better in the English portion of the ACT (or SAT equivalent) or a 71 or better in the COMPASS writing test, or have successfully completed ENGL 1107. (Students who have completed ENGL 1104 do not need to complete ENGL 0097.
- Submit an application for admission designating associate degree medical laboratory technology as a major field of study, official ACT or SAT scores, GED or high school transcripts, and college transcripts to the Registrar's Office by January 31 to be considered for the following academic year. If space is available in the class, applications will be considered after the deadline.

An impartial scoring system is employed to rank the MLT applicants. ACT or SAT scores, high school or college GPA or

GED scores, grades in chemistry, biology and algebra and college courses completed which are applicable to the MLT degree are considered in the evaluation process. Applicants who are not admitted to the program must reapply if they wish to be considered for acceptance the following academic year.

To remain in the MLT program, a student must obtain a "C" or above in every MLT class and maintain an overall GPA of 2.0, and a science GPA of 2.0. Failure to meet any of these requirements will result in dismissal from the program. Students who have been dismissed may reapply to the program and their credentials will be reevaluated. To graduate from the MLT program, a student must have a cumulative GPA of at least 2.0.

Graduates of the MLT program are eligible to take a national certification examination. However, graduation from the MLT program is not contingent upon passing any certification examination. When the exam is successfully completed the student will be granted national MLT or CLT status. Program graduates may work in hospitals, clinics, independent laboratories, physician's offices, public health agencies, pharmaceutical labs, and research laboratories. Graduates may also continue in higher education earning a Bachelor's and/or Master's degree in Medical Technology, Allied Health or a related field.

• **Model Schedule** **72-73 sem. hrs.**

FRESHMAN FIRST SEMESTER

ENGL	1104	Written English I.....	3
MATH	1111	Intermediate Algebra.....	3
or			
MATH*	1112	College Algebra.....	3
CHEM	1101	General Chemistry.....	4
or			
CHEM*	1105	Chemical Principles	5
BIOL	1170	Anatomy & Physiology	4
MLAB	1103	Clinical Serology	2
HLCA	1105	Phlebotomy Theory.....	1
			17-18

FRESHMAN SECOND SEMESTER

CHEM	1102	General Chemistry Principles	4
or			
CHEM*	1106	Chemical	4
MLAB	1104	Urinalysis and Body Fluids.....	2
MLAB	1105	Lab Math & Instrumentation	3
MLAB	1160	Clinical Microbiology I	4
MLAB	1180	Immunohematology.....	4
			17

SUMMER I

MLAB	2218	Hematology.....	4
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SUMMER II

ENGL	1108	Written English II.....	3
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SOPHOMORE FIRST SEMESTER

MLAB	2219	Clinical Microbiology II.....	4
MLAB	2220	Clinical Biochemistry	4
MLAB	2221	Clinical Practicum I.....	4
MLAB	2222	Clinical Practicum II	4
			16

SOPHOMORE SECOND SEMESTER

PSYC	1101	Introduction to Psychology.....	3
MLAB	2223	Clinical Practicum III	4
MLAB	2224	Clinical Practicum IV	4
MLAB	2225	Seminar.....	2
MLAB	2226	Clinical Case Studies	2
			15

* MATH 1112, CHEM 1105 and 1106 are recommended courses for students intending to pursue a bachelor's degree and certification as a Medical Technologist (MT).

OFFICE TECHNOLOGY

(Skill Set)

■ Nancy Lawler
127 Colebank Hall / 367-4731
nlawler@fairmontstate.edu

■ Donna Snyder
131 Colebank Hall / 367-4188
dsnyder@fairmontstate.edu

This program is designed for the individual who wants a practical foundation in office technology. It prepares the student to handle a wide variety of office and administrative tasks, and emphasizes the most widely used software suites and applications.

- Office Technology 18 sem. hrs.
- Required Courses 9 sem. hrs.

BUSN	2210	Human Relations in Business.....	3
BUSN	2251	Corporate Communications	3
INFO	1100	Computer Concepts & Applications.....	3

Choose three courses from the following:

INFO	2220	Spreadsheet Design.....	3
INFO	2235	Microcomputer Applications in Business	3
OFAD	2230	Introduction to Word Processing.....	3
OFAD	2232	Word Processing Applications	3
OFAD	2233	Database Applications	3
OFAD	2250	Desktop Publishing	3

OCCUPATIONAL DEVELOPMENT

(Associate of Applied Science Degree)

- Building and Construction Trades..... 64 sem. hrs.
- Early Childhood Practitioner 64 sem. hrs.
- Correctional Officer 68 sem. hrs.
- Emergency Medical Services Specialist 72 sem. hrs.
- Fire Fighter..... 65 sem. hrs.
- Food Service Specialist..... 64 sem. hrs.

The Associate of Applied Science degree program in Occupational Development involves a formal partnership between Fairmont Community and Technical College, the U.S. Department of Labor Bureau of Apprenticeship and Training, and labor unions. Apprentices who seek the A.A.S. in Occupational Development earn part of their college credits from designated classroom training and On-the-Job training that are required in their apprenticeship programs and other college credits through enrollment in courses at Fairmont Community and Technical College. These A.A.S. degrees require a total of 64-72 credits.

For additional information on the availability of Occupational Development Degrees and specific requirements, contact the Community and Technical College Office.

PARA-EDUCATION

(Associate of Arts Degree)

■ Kristie Latocha, Program Coordinator
333 Education Building / (304)367-4665
klatocha@fairmontstate.edu

This program is for paraprofessionals in the elementary and secondary classrooms. The intent of the curriculum is to provide a pathway from aide to teacher through a step process which begins with certificates and builds towards an associate and then towards a bachelor's degree.

- Required Courses 65 sem. hrs.

(PR: English ACT 19+ or SAT 450 or Compass 71 or ENGL 0097)

ENGL	1104	Written English I.....	3
ENGL	1108	Written English II.....	3
EDUC	1105	Basic Skills for Instructional Support*	3
EDUC	2200	Introduction to Education	3
EC	1105	Development of Young Children	3

-or-

EDUC	2202	Human Growth & Development**	3
(includes clinical lab)			

EDUC	2206	Instructor Support Strategies*	3
EDUC	2207	Behavior Support Strategies*	3
EDUC	2220	Areas of Exceptionality in Special Education ..	3
Fine Arts Appreciation, ART, MUSI, or THEA 1120			3
PSYC	1101	Introduction to Psychology	3
INFO	1100	Computer Concepts & Applications	3
INDS	1100	Race, Class & Gender.....	3
Literature Elective from General Education			3
MATH	1107	Fundamental Concepts	3

(PR: Math ACT 19 or SAT 460 or MATH 0095 or Compass greater /equal 36)

MATH	1110	Math for Elementary Education	3
(PR: ACT 19 or MATH 0095)			

Human/Social Interactions elective

(1100 or 2200 level) General Education.....			6
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Scientific Discovery courses from General Education			8
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SAFE	2200	Accident Analysis & Emergency Care.....	3
or			

HLTA	1100	Personal Health.....	3
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SPCH	1100	Intro to Speech Communication	3
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* Transfers as Education elective into BS Education

** provisional admittance into teacher education

PARAPROFESSIONAL IN EDUCATION

(One year Certificate)

■ Kristie Latocha, Program Coordinator
333 Education Building / (304) 367-4665
klatocha@fairmontstate.edu

This program is for paraprofessionals in the elementary or secondary classrooms or individuals serving as Teacher Aids IV. The curriculum is meant to provide a pathway from aide to teacher through a step process that begins with certificate coursework and continues through various levels that will build towards an associate and /or a bachelor degree.

- Model Schedule 36 sem. hrs.

FALL SEMESTER-FIRST YEAR

EDUC	1105	Basic Skills for Instructor Support*	3
EDUC	2200	Introduction to Education	3
ENGL	1104	Written English 1	3

INDS•	1100	Race, Class, & Gender.....	3
INFO•	1100	Computer Concepts & Application.....	3
PSCY	1101	Introduction to Psychology.....	3
			18

SECOND SEMESTER-FIRST YEAR

EC	1105	Development of Young Children	3
-or-			
EDUC	2202	Human Growth & Development**	3
(includes clinical lab)			
EDUC	2206	Instructor Supp Strategies*	3
EDUC	2207	Behavior Supp Strategies*	3
EDUC•	2220	Areas of Ex in Special Ed.....	3
SAFE	2200	Acc. Ana. & Emer Care.....	3
SPCH•	1100	Intro to Speech	3
			18

* transfers as Education elective for BA in Education

** provisional admittance into teacher education

• 18 hour skill set certificate equivalent to WVDOE qualifications for Teacher Aide IV

PARALEGAL STUDIES

(Associate of Applied Science)

■ Jeani Hawkins, Director

Lewis County Center / 269-6389

jhawkins1@fairmontstate.edu

Paralegals are highly skilled paraprofessionals who work in a variety of settings under the direct supervision of an attorney. Job responsibilities require the Paralegal to have knowledge of the law and legal procedures, interviewing and case investigation skills, the ability to conduct legal research and prepare and manage legal documents. Interpersonal communication and office management skills are also important for success. The Associate of Applied Science in Paralegal Studies is designed to build professional competencies in each of these areas.

• Associate Degree 64 sem. hrs.

• General Education Core..... 28 sem. hrs.

ENGL	1104	Written English I.....	3
ENGL	1108	Written English II*.....	3
ENGL	1109	Technical Report Writing.....	3
SPCM	1100	Introduction to Speech Communication	3
MATH	1107	Fundamental Concepts in Mathematics.....	3
INFO	1100	Computer Concepts and Applications.....	3

Social Science Electives (Select 2 Courses)

POLI	1103	American Government.....	3
SOCY	1100	Introduction to Sociology.....	3
PSYC	1101	Introduction to Psychology.....	3

Natural Science Electives (Select 1 Course)

SCIE	1199	Human Biology	4
SCIE	1199	Science that Matters	4
SCIE	1199	Earth and Sky	4

• Required Courses..... 27 sem. hrs.

PARA	1101	Introduction to Paralegal Studies	3
PARA	1102	General Law I.....	3
PARA	1103	General Law II*	3
PARA	2201	Legal Research and Writing I.....	3
PARA	2202	Legal Research and Writing II*	3
PARA	2203	Computer Appl. for Legal Professionals	3

PARA	2204	Civil Litigation and Procedure*	3
PARA	2220	Paralegal Professional Practicum	3
FINC	2260	Real Estate Principles and Practices.....	3

• Elective Courses+ 9 sem. hrs.

BUSN	3306	Business Law I.....	3
BUSN	3307	Business Law II*	3
CRJU	2202	Criminal Law and Procedure.....	3
CRJU	2240	Adjudication Process*	3
HLIN	1110	Legal and Ethical Aspects of Health Info.*	3
MGMT	2214	Office Management.....	3
PARA	2210	Domestic Relations Law.....	3
PARA	2211	Administrative Advocacy	3
PARA	2212	Torts.....	3
PARA	2213	Property and Probate.....	3
PARA	2214	Bankruptcy Law	3

* Requires Prerequisite or Permission

+ Elective Courses must be approved by an Academic Advisor

PHYSICAL THERAPIST ASSISTANT

(Associate of Applied Science)

■ Beverly Born, PT Ed. D., Program Coordinator

310A Caperton Center / 367-4042

bborn@fairmontstate.edu

The Physical Therapist Assistant (PTA) is a licensed health care provider who works within a physical therapy setting under the supervision of a Physical Therapist. The PTA assists in the practice of physical therapy by performing delegated patient-related activities. These activities include performing selected treatment procedures, and observing, recording and reporting of patient responses. Career opportunities for PTAs can be found in hospitals, clinics, rehabilitation centers, nursing care facilities, offices of physical therapists in private practice, and in home health care.

Admission to the PTA program is competitive. A numerical score sheet is used to select 20 students for each class. Points are assigned for GPA, ACT scores, grades in algebra, biology, chemistry, physics and certain other college courses. The students with the highest scores are chosen. To be considered for admission, applicants must have at least a 2.0 grade point average, a score of 18 or higher on the English portion of the ACT, and grades of C or better in biology, chemistry, physics, and algebra taken in high school or college. Successful completion of English 0097 or 1104 substitutes for low ACT. A FSC&TC application, PTA program application, official high school and college transcripts, and official ACT or SAT scores must be submitted to the Director of Admissions by January 31 for the next entering class.

Students must have a "C" or better in every course that is part of the curriculum and at least a 75% test average in PTA courses to continue in the program. Following successful completion of the program, students are eligible to take the licensing examination.

• Physical Therapist Assistant 70 sem. hrs.

REQUIRED COURSES:

HLCA	1100	Medical Terminology	3
HLCA	1102	Pathophysiology of Disease	3
BIOL	1170	Anatomy and Physiology	4
ENGL	1104	Written English I.....	3

ENGL	1108	Written English II.....	3
INFO	1100	Computer Concepts	3
PHTA	1100	Introduction to Physical Therapy.....	2
PHTA	1101	Patient and Professional Relationships.....	2
PHTA	1102	Introduction to Patient Care	3
PHTA	1103	Techniques I	3
PHTA	1104	Techniques II	2
PHTA	1105	Kinesiology.....	3
PHTA	1106	Clinical Ed. I	1
PHTA	1108	Clinical Ed. II	2
PHTA	2200	Physical Therapist Assistant Techniques III.....	4
PHTA	2201	Physical Therapist Assistant Techniques IV	4
PHTA	2202	Physical Therapist Assistant Techniques V	4
PHTA	2204	Clinical Ed. III.....	3
PHTA	2205	Capstone Seminar	2
PHTA	2206	Clinical Education IV	5
PHTA	2207	Clinical Education V.....	5
PSYC	1101	Introduction to Psychology.....	2
SPCH	1100	Intro. to Speech Communication	3

• **Model Schedule** 70 sem. hrs.

FRESHMAN FIRST SEMESTER

HLCA	1100	Medical Terminology	3
BIOL	1170	Anatomy and Physiology	4
ENGL	1104	Written English I.....	3
PSYC	1101	Introduction to Psychology I.....	3
PHTA	1100	Introduction to Physical Therapy.....	2
INFO	1100	Computer Concepts	3
			18

FRESHMAN SECOND SEMESTER

HLCA	1102	Pathophysiology of Disease	3
ENGL	1108	Written English II.....	3
PHTA	1101	Patient and Professional Relationships.....	2
PHTA	1102	Introduction to Patient Care	3
PHTA	1103	Techniques I	3
PHTA	1105	Kinesiology.....	3
PHTA	1106	Clinical Ed. I	1
			18

SUMMER FIRST TERM

PHTA	1104	Techniques II	2
PHTA	1108	Clinical Ed. II	2
			4

SOPHOMORE FIRST SEMESTER

PHTA	2200	Physical Therapist Assist. Techniques III	4
PHTA	2201	Physical Therapist Assist. Techniques IV	4
PHTA	2202	Physical Therapist Assist. Techniques V.....	4
PHTA	2204	Clinical Ed. III.....	3
SPCH	1100	Intro. to Speech Communication	3
			18

SOHPOMORE SECOND SEMESTER

PHTA	2205	Capstone Seminar	2
PHTA	2206	Clinical Education IV	5
PHTA	2207	Clinical Education V.....	5
			12

SAFETY ENGINEERING TECHNOLOGY

(Associate of Science)

(SEE FAIRMONT STATE UNIVERSITY CATALOG)

TECHNICAL STUDIES

(Associate of Applied Science)

■ Richard McCormick

230 Hardway Hall / (304) 367-4692

richmccormick@fairmontstate.edu

The Associate of Applied Science degree program in Technical Studies is designed for employees participating in approved education and training programs sponsored by business, industry, labor, or government to earn a two-year degree. Existing eligible education and training programs or custom designed programs determine a specific course of study for each program. Students who seek the Technical Studies degree earn part of their college credits from designated classroom training programs and On-the-Job training. Additional credits are earned through courses at Fairmont State Community and Technical College. The Technical Studies degree requires a total of 64-72 credits. For additional information on the availability of Technical Studies Degrees and specific requirements, contact the Community and Technical College Office.

- Highway Technician 72 sem. hrs.
- Water and Wastewater Treatment 71 sem. hrs.
- Wood Production Technology..... 64 sem. hrs.
- Automotive Technology 64 sem. hrs.
- Radiologic Technology 64 sem. hrs.
- Respiratory Technology 64 sem. hrs.
- Information Systems (WV ExclTe)

Radiologic Care Technology

(Associate of Applied Science Technical Studies)

Fairmont State Community and Technical College has a partnership with United Hospital Center or West Virginia University Hospitals for radiologic technology.

Applicants for AAS in Technical Studies in Radiologic Technology will apply to Fairmont State Community and Technical College. Students will select the hospital program for which they are applying and applications will be forwarded to the specific hospital for evaluation. All supporting materials shall be sent to FSC & TC and made available to the hospital based faculty to assist in their admission deliberations. Students must apply and be accepted into the hospital program of their choosing.

Students should contact either, West Virginia University Hospitals, www.wvuhealthtech.com or United Hospital Center, www.uhcwv.org

Respiratory Technology

(Associate of Applied Science)

PENDING APPROVAL JANUARY 2006

Respiratory therapists are members of the health care team that provide patients with heart and lung disorders respiratory care and education. They work in hospitals, clinics and other settings. Therapists perform procedures that are both diagnostic and therapeutic. Employment for respiratory therapists is predicted to increase much faster than the average occupation through the year 2010. The college is seeking CoARC accreditation for this program.

VETERINARY TECHNOLOGY

(Associate of Applied Science)

■ Robert Havern, Program Coordinator
113 Hunt Haught Hall / (304) 367-4589
rhavern@fairmontstate.edu

The Veterinary Technology Program prepares individuals for careers as Registered Veterinary Technicians (R.V.T.) in the very dynamic field of veterinary medicine. This is not a pre-veterinary medicine course of study. As assistants to veterinarians, V.T.s are involved in all aspects of animal health, disease, and welfare. Most graduates are employed in private veterinary practices.

The most financially rewarding positions for R.V.T.s are in some aspects of Laboratory Animal Medicine. Very productive careers are also available in diagnostic laboratories, pharmaceutical sales, biomedical research, theriogenology, herd health management, and government agencies.

Admission to the Veterinary Technology program is competitive. Applications should be received by the Office of Admissions by March 1st. Applicants to the program must have a minimum GPA of 2.0, a score of 19 or higher on the English section of the ACT (or SAT equivalent) or successful completion of ENGL 0097 or ENGL 1104, a score of 19 or better on the Math section of the ACT (or SAT equivalent) or successful completion of MATH 0095, and successful completion of high school chemistry and algebra. Experience in a veterinary hospital is highly desirable.

To continue in the V.T. Program, the student must meet the following standards:

1. Pass all courses required for the A.A.S. Degree.
2. In order to begin the preceptorship phase the student must have an overall grade point average (G.P.A.) of 2.0 plus complete the following clinic related courses with a "C" or above: VETT 1113, VETT 1114, VETT 1116, VETT 1122, VETT 1125, VETT 1130, VETT 2210, VETT 1170 and 2205.
3. To remain in the program continue to maintain the 2.0 G.P.A. overall and no less than a "C" grade in all VETT courses.

Readmission to the program will be determined on an individual basis. This will be decided by the Admissions Committee on the basis of the qualifications of the student and on a space available standard. Students in good standing who withdraw from the program for unpredictable or uncontrollable reasons will be given priority consideration if they reapply.

• Model Schedule 75 sem. hrs.

FRESHMAN FIRST SEMESTER

ENGL	1104	Written English I.....	3
HLCA	1100	Medical Terminology	3
VETT	1113	Introduction to Veterinary Technology	3
VETT	1114	Breeds and Breeding.....	2
VETT	1130	Animal Parasitology.....	3
VETT	1170	Anatomy & Physiology	4
			18

FRESHMAN SECOND SEMESTER

BIOL	2205	Technical Microbiology.....	4
INFO	1100	Computer Concepts & Applications	3
VETT	1116	Clinical Procedures.....	5
VETT	1122	Veterinary Pharmacology	3
VETT	2210	Laboratory Animal Techniques I.....	3
			18

SUMMER BOTH TERMS

ENGL	1108	Written English II.....	3
VETT	2271	Preceptorship I.....	4
			7

SOPHOMORE FIRST SEMESTER

CHEM	1101	General Chemistry.....	4
VETT	2212	Health Management of Farm Animals	3
VETT	2217	Clinical Laboratory Procedures.....	4
VETT	2222	Diseases of Domestic Animals.....	4
General Studies Elective.....			3
			18

Summer Both Terms

VETT	1108	Seminar.....	2
VETT	2271	Preceptorship II.....	12
			14

Courses of Instruction

ACADEMIC DEVELOPMENT CENTER

(School of Academic Studies)

ENGL 0092 Basic Reading and Study Skills

English 0092 is recommended for students scoring below a 17 on the Reading portion of the ACT and 75 on the COMPASS test. Basic Reading and Study Skills is strongly recommended for students who have difficulty reading college-level texts, taking notes, and/or preparing for tests. This course not only emphasizes basic reading techniques (such as vocabulary and comprehension enhancement) but also focuses on the specific academic reading and study skills necessary to succeed in college-level courses. This course offers individualized and group instruction for college-level reading tasks, including word recognition, vocabulary and comprehension skills, and in study skills, including time management, textbook comprehension, notetaking, and test preparation. Incoming basic literacy is assumed. Credit hours will not apply toward hours required for graduation. Students who wish to improve their academic reading and study habits are encouraged to enroll.

ENGL 0097 Composition Skills

English 0097 is required of all ALL students scoring below an 18 on the English portion of the ACT, below 450 on the SAT (Recentered) verbal section, or below 71 on the writing portion of the COMPASS test. This computer-enhanced course focuses on improving skills in written composition to help students develop the skills necessary to earn a "C" or better in English 1104. The course emphasizes the generation of a series of multi-paragraph essays. According to state college system mandates, to earn a Credit in the class and move on to college-level writing, students must be able to write an essay that demonstrates the following characteristics:

- a central idea or thesis;
- an introduction/body/conclusion;
- paragraphs with topic sentences and supporting details;
- complete, grammatical sentences with some variety in syntax;
- appropriate word choice;
- clear flow of ideas from one part to another;
- proficient use of standard English punctuation and spelling.

MATH 0093 General Math. 3 hrs.

The following topics will receive attention in this course: basic operations (adding, subtracting, multiplying, dividing) on whole numbers, fractions, decimals, and percent; operations on integers; interpreting basic statistical information; implementing critical thinking skills to solve problems; and applying mathematics to solving word problems and to daily living. Students with a COMPASS score below 19 will need to enroll in Math 0093 before enrolling in Math 0094. This course offers institutional credit only. Credit hours will not apply toward hours required for graduation. This course must be completed in the first 32 hours of work in a student's program of study.

Math 0094 Pre-Algebra. 3 hrs.

The following topics will receive attention in this course: operations on positive and negative real numbers; order of operations; solving elementary equations and their applications; operations on polynomial and exponential expressions. Prerequisite: Math 0093 or a COMPASS score of 19. This course offers institutional credit only. Credit hours will not apply toward hours required for graduation. This course must be completed in the first 32 hours of work in a student's program of study.

MATH 0095 Introductory Algebra. 3 hrs.

The following topics will receive attention in this course: order of operations; operations on exponential, polynomial, and rational expressions; solving linear, simultaneous, and quadratic equations in the set of real numbers and their applications; graphing equations and forms of equations of a line; operations on roots and radicals. Prerequisite:

Math 0094 or Compass score of 26 or more. Students enrolling in this course should be able to manipulate fractions and positive and negative integers and to solve elementary equations. This course offers institutional credit only. Credit hours will not apply toward hours required for graduation. This course must be completed in the first 32 hours of work in a student's program of study.

Accel Sk 1110 Online Tutorial Practicum. 1 hr.

This course is designed to equip tutors with the necessary skills to effectively communicate with students in an individual and group setting. The course entails an orientation to tutorial procedures and assignments that emphasize specific skills such as tutoring special populations, tutoring study skills, and recognizing diverse response styles. The course is a requirement for all new tutors; instructor permission is required for registration.

ACCOUNTING

(School of Business, Aviation, and Technology)

ACCT 1100 Fundamentals of Accounting. 3 hrs.

This course provides a brief but comprehensive introduction to accounting. It gives students a basic understanding of accounting principles and procedures used for recording, classifying, and summarizing financial data. Students also learn accounting terminology and are introduced to the financial forms, record, and statements used in the business world.

ACCT 2201 Principles of Accounting I. 3 hrs.

Fundamental accounting theory and procedures: Organization of accounts, the accounting cycle, working papers and the preparation of financial and operating statements for proprietorship.

ACCT 2202 Principles of Accounting II. 3 hrs.

The second semester of this course is a further study of the accounting process as applied to various business organizations. The two semesters of this course are designed to give students an adequate understanding in the recording, classifying and summarizing of business transactions in order to proceed with the interpretation and analysis of accounting data. This course is a basic course for (1) accounting majors, (2) majors in other areas of business administration, and (3) those whose major interest is in economics, political science, law or other professional areas. PR: ACCT 2201.

ACCT 2215 Managerial Accounting. 3 hrs.

The managerial accounting course is designed to acquaint students with the use of accounting information for the purpose of managerial control and decision making. Concepts of cost, profit, and budgeting will be discussed and aspects of performance measurement and evaluation will also be covered. PR: ACCT 2202.

ACCT 2216 Income Tax Procedures. 3 hrs.

An introduction to the concepts of income taxation and the applications of these concepts through problem solving with the use of tax forms. PR: ACCT 2202. May be used as an elective by Accounting Majors.

ACCT 2217 Concepts of Computerized Accounting. 3 hrs.

Three hours lecture/lab time per week. This course is designed to reinforce topics presented in Principles of Accounting and to introduce the student to computerized accounting methods. Through hands-on computer work, the student will become familiar with accounting software and have the opportunity to work in greater depth with Principles of Accounting topics. PR: ACCT 2202.

ACCT 2242 Professional Internship and Portfolio Development. 3 hrs.

The purpose of this course is to allow students to bring business topics into focus by using all their collected business knowledge. This will be accomplished through completion of a portfolio that will demonstrate to prospective employers the student's career preparation. The student will also be required to complete a professional internship in the work place. The importance of career and goal planning will be emphasized. A total of 140 hours of supervised work will be required.

ACCT 2290 Specialized Accounting Topics Course Description. 3 hrs.

A survey of the theoretical and practical aspects of financial accounting. Valuation, analysis, and formal presentation of accounting data of the profit-directed entity will be the focus. PR: ACCT 2202.

AMERICAN SIGN LANGUAGE COMMUNICATION PROGRAM

(School of Academic Studies)

AMSL 1101 Deaf Culture and History. 3 hrs.

Introduction to the culture common to the Deaf through looking at their history of oppression starting in the 1800s up to the present time.

AMSL 1104 ASL Fingerspelling. 3 hrs.

This course will develop skills in expressive and receptive fingerspelling with emphasis on the proper form and use of the manual alphabet and numbers which will minimize carpal tunnel syndrome. PR: AMSL 1111

AMSL 1111 American Sign Language I. 3 hrs.

Attention is given to proper syntax and basic grammatical constructs. Over 500 signs are introduced and made into conversations enabling the student to express basic ideas. Non-verbal and pantomime use in language is emphasized. Students must concurrently enroll in AMSL 1199. This course is an eight weeks class requiring 5 hours of lecture and 2 hours of lab each week.

AMSL 1112 American Sign Language II. 3 hrs.

Continued sign vocabulary growth with introduction to idiomatic phrases. Emphasis is use of classifiers, expression, body postures, and the signing space. To be taken in conjunction in with AMSL 1111. Students must concurrently enroll in AMSL 1199. PR: AMSL 1111. This course is an eight weeks class requiring 5 hours of lecture and 2 hours of lab each week.

AMSL 1113 American Sign Language III. 3 hrs.

Sign vocabulary is intensified. Students will use familiar signs and learn the difference in meaning with the use of non-manual gestures. Students will be able to be fluent and maintain full conversations by using American Sign Language (ASL). Students must concurrently enroll in AMSL 1199. PR: AMSL 1112. This course is an eight weeks class requiring 5 hours of lecture and 2 hours of lab each week.

AMSL 1114 American Sign Language IV. 3 hrs.

Review of all signs learned. Local area signs learned from Deaf comparison of ethnic influences, slang, "home signs" and signs that have become obsolete will be discussed. English idioms and the signs chosen to represent them will be continued. Students must concurrently enroll in AMSL 1199. PR: AMSL 1113. This course is an eight weeks class requiring 5 hours of lecture and 2 hours of lab each week.

AMSL 1120 Field Experience. 3 hrs.

Students must attend to three professional workshops and write reaction papers. This course also requires extensive readings in the professional literature.

AMSL 1130 Interpreting Theory. 3 hrs.

This course explores terminology, procedures and ethical profes-

sional considerations relevant to interpreting and transliterating. Topics include the Registry of Interpreters for the Deaf, Code of Ethics application, structuring the interpreting environment, communication assessment, human relation skills, historic developments, and current trends.

AMSL 1199 Laboratory. 0 credit

Students enrolled in AMSL 1111, 1112, 1113, and 1114 must concurrently enroll in AMSL 1199 to maintain their studying sign language. This lab meets two hours per week.

APPLIED DESIGN

(School of Health & Human Services)

FASHION DESIGN AND INTERIOR DESIGN

APPD 1101 Principles of Clothing Construction. 3 hrs.

The student will study the application of principles of clothing construction in relationship to selection of compatible fabric and design to produce garments for the individual. The student will use various fabrics during the development of construction techniques. The student will study the use and care of equipment and the techniques in pattern alterations.

APPD 1102 Apparel Design. 3 hrs.

This course explores the fashion design industry from creation of the designer collection through retail merchandising. The students will create their own collection and develop a merchandising plan. Apparel design software will be used, in addition to traditional design and rendering techniques.

APPD 1103 Clothing and Culture. 3 hrs.

This course is a cross-cultural study of clothing for the individual, family, and special needs groups, including fashion trends, fashion terminology, clothing and behavior, color and computer aided body analysis, professional dress and management, and socio-psychological aspects of clothing.

APPD 1115 Introduction to the Fashion Industry. 3 hrs.

An overview of the fashion industry, past and present, with emphasis on career opportunities, the impact of fashion on world economy, and the fashion marketing system from manufacturer to consumer.

APPD 1116 History of Contemporary Fashion. 3 hrs.

The study of historical costume from ancient times through modern costume will be covered to understand the impact of historical costume on contemporary design. Students will participate in restoration and display of period garments from the Masquers Historical Costume Collection.

APPD 1140 Introduction to Interior Design. 3 hrs.

This course will include historical overview covering architectural and furniture periods, materials and components of Interior Design, and the design process through an introduction to drafting tools and techniques.

APPD 1151 Design Concepts. 3 hrs.

This course will explore the principles and elements of design and will allow students to apply their knowledge in a series of projects, both two and three dimensional with a variety of materials and media. Focus will be on how the basic principles apply to Fashion and Interior Design.

APPD 1199 Special Topics in Applied Design. 1/4 hrs.

This course will provide an opportunity for students to further their study of principles and concepts in Fashion or Interior Design and to apply their knowledge in a variety of applications both in the traditional classroom setting and in work/job related experiences. The class will be an individualized, arranged course, with learning outcomes determined by the instructor in consultation with the student. May be repeated up to 4 hours credit.

APPD 2202 Advanced Apparel Design. 4 hrs.

This course further develops student abilities through the creation of an original collection. The role of the designer from fashion concept through merchandised products will be studied with emphasis on design principles and elements, silhouette, style, and fabrication in a variety of apparel categories. Computer based design will be included. Emphasis is on developing an original collection and portfolio development. PR: APPD 1102

APPD 2210 Textiles. 3 hrs.

The study of textile fibers from origin to end use will be covered. Consideration will be given to properties of textile fibers in relationship to performance and use, textile selection, maintenance for apparel and home furnishings, and textiles in the world economy.

APPD 2217 Visual Merchandising. 3 hrs.

Visual merchandising for retail stores will be covered in this course. Both window and interior display will be included. Students will plan a store layout to include visual display areas. The student will plan and execute creative displays, applying principles of merchandise selection, development of a theme, props and layout, lighting, and targeting the customer, at in-house and/or off campus sites. APPD 1115.

APPD 2240 Residential Design. 4 hrs.

Coordination of interior design components allows the students to develop and apply complete room plans and decorating schemes for various residential and commercial applications. Color, lighting, space needs and materials are covered. PR: APPD 1140.

APPD 2250 Design in Home Furnishings. 3 hrs.

The principles and elements of design are explored through home furnishings and accessories. The course will include a study of interior textiles, furnishings, window treatments, and the appropriate selection of enrichment accessories. Computer aided design will be included.

APPD 2260 Contract Design. 4 hrs.

This course covers the design of various non-residential and public spaces with an emphasis on space planning, presentation skills, professional practices, interior systems, furnishings, and equipment. Students explore space as it relates to functional and aesthetic requirements including commercial code and access issues. Emphasis is on portfolio development. PR: APPD 1140

APPD 2275 Applied Design Practicum. 4 hrs.

Students will be placed in various businesses in the interior or fashion field to provide on-site training and experience. Preparation of an electronic portfolio and resume will be included. PR: APPD 1115 or APPD 1140.

APPD 2295 Guided Design Seminar. 4 hrs.

A seminar for Interior Design or Fashion Design students that will require students to select a project, research the problem, and make a final juried presentation. PR: APPD 2217 or ADDP 2240.

ART

(School of Fine Arts)

ART 1111 Art Fundamentals. 3 hrs.

An introductory course to the elements/principles of design and the creative design process while exploring various media and techniques in two and three dimensional art forms.
ARCHITECTURE MAJORS ONLY!

ART 1120 Art Appreciation. 3 hrs.

This introductory course is a study of the art of the Western world. It explores the emergence of new forms and salient factors contributing to changes in art from prehistoric Europe to the contemporary West. The works of art are presented within their historical contexts.

ART 1140 Art Structure and Applied Design. 3 hrs.

Introductory course in the principles and elements of design applicable to various media and techniques used in studio problems.

ART 1141 Art Structure and Applied Design. 3 hrs.

Further study of the principles and elements of design, techniques and media with emphasis on the individual's creative development. PR: ART 1140

ART 1142 Drawing. 3 hrs.

The development of technical skills in the use of various media for a fundamental knowledge stressing observation, memory training, and composition. Fall semester only.

ART 1199 Special Topics in Art. 1/12 hrs.

Studies in selected areas of specialization to be determined by the instructor and approved by the School's chairman. Credits earned will be applicable as free electives in degree or certificate programs. Three hours maximum credit per semester.

ART 2241 Drawing from Life. 3 hrs.

Drawing from the posed model accompanied by analytical studies of anatomy. PR: 1142. Spring semester.

AVIATION

(School of Business, Aviation & Technology)

AVMT 1101 Introduction to Aviation Maintenance. 3 hrs.

A study of the fundamentals of Aviation Maintenance. Topics include: aircraft familiarization, nomenclature, materials, hardware used on aircraft, theory of flight, and basic physics. Meets FAR 147 requirements. Must have a "C" grade or better to pass. Aviation or Homeland Security majors only.

AVMT 1102 Aircraft Basic Science. 3 hrs.

A study of federal aviation regulations, maintenance publications, weight and balance, technical drawings, charts and graphs. Meets FAR 147 requirements. Must have a "C" grade or better to pass. Aviation or Homeland Security majors only.

AVMT 1103 Aviation Shop Practices. 3 hrs.

A study of the use of basic hand tools and power equipment, shop safety, aircraft fluid lines and fittings, aircraft cleaning and corrosion control. The use and care of precision measuring equipment and the use and interpretation of various non-destructive inspection methods. Meets FAR 147 requirements. Must have a "C" grade or better to pass. Aviation or Homeland Security majors only.

AVMT 1105 Aircraft Utility Systems. 3 hrs.

This course covers the areas of airframe ice and rain control systems, fire protection systems, (airframe and engine), and fuel systems (airframe and engine). Also included are transport aircraft systems including doors, lavatory systems, galley systems, passenger service units, windows, emergency equipment, and cargo loading systems. Meets FAR 147 requirements. Must have a "C" grade or better to pass. Aviation or Homeland Security majors only.

AVMT 1106 Aircraft Information System. 3 hrs.

This is a study of the communication, navigation, and instrument systems of the aircraft and engine. PR: AVMT 1102, 1103. Meets FAR 147 requirements. Must have a "C" grade or better to pass. Aviation or Homeland Security majors only.

AVMT 1109 Aircraft Electronics. 3 hrs.

This course examines the fundamental principles of electronics as applied to aircraft electrical systems. Specific topics covered include AC/DC, series-parallel circuits, circuit analysis theorems, transistors, digital theory and devices. Meets FAR 147 requirements. Co-Requisite: Math 1101. Must have a "C" grade or better to pass. Aviation or Homeland Security majors only.

AVMT 2201 Reciprocating Engines and System. 3 hrs.

This course is a study of the theory of operation of reciprocating engines and their systems. The course emphasizes the principles of operation, nomenclature, construction, and system design. PR: AVMT 1101, 1102, 1103. Meets FAR 147 requirements. Co-Requisite: MATH 1101. Must have a "C" grade or better to pass. Aviation or Homeland Security majors only.

AVMT 2202 Aircraft Sheet Metal Structures. 3 hrs.

This course covers all aspects of sheet metal structures and aircraft welding. A strong emphasis is placed on the hands-on skills. PR: AVMT 1102, 1103. Meets FAR 147 requirements. Co-Requisite: MATH 1101. Must have a "C" grade or better to pass. Aviation or Homeland Security majors only.

AVMT 2203 Reciprocating Engine Maintenance and Return to Service. 5 hrs.

This course emphasizes the hands-on maintenance and overhaul of piston engines. Topics include engine removal, replacement, troubleshooting, inspection, engine maintenance and overhaul, system component repair, inspection, and troubleshooting. PR: AVMT 1101, 2201. Meets FAR 147 requirements. Must have a "C" grade or better to pass. Aviation or Homeland Security majors only.

AVMT 2204 Propeller Systems. 3 hrs.

A detailed study of propellers, their components, operation and maintenance. PR: AVMT 1101, 2201. Must be taken concurrently with AVMT 2203. Meets FAR 147 requirements. Must have a "C" grade or better to pass. Aviation or Homeland Security majors only.

AVMT 2205 Turbine Engines and Systems. 3 hrs.

A study of the theory of operation of turbine engines and their systems. This course emphasizes the principles of operation, nomenclature, construction and system design. PR: AVMT 1102, MATH 1101. Meets FAR 147 requirements. Must have a "C" grade or better to pass. Aviation or Homeland Security majors only.

AVMT 2206 Aircraft Fluid Power and Landing Gear Systems. 3 hrs.

A detailed study of aircraft hydraulic, pneumatic and landing gear systems. This includes the study of airliner systems. PR: AVMT 1103, AVMT 1109. Meets FAR 147 requirements. Must have a "C" grade or better to pass. Aviation or Homeland Security majors only.

AVMT 2207 Turbine Engine Maintenance and Inspection. 3 hrs.

This course emphasizes the hands-on maintenance, overhaul, repair, troubleshooting, and inspection of turbine engines and their systems. PR: AVMT 1103, 2205. Meets FAR 147 requirements. Must have a "C" grade or better to pass. Aviation or Homeland Security majors only.

AVMT 2208 Cabin Atmosphere Control Systems. 3 hrs.

This course is a detailed study of aircraft heating, oxygen, air conditioning, and pressurization systems. Large airliner systems will be covered. PR: AVMT 1103, AVMT 1109. Meets FAR 147 requirements. Must have a "C" grade or better to pass. Aviation or Homeland Security majors only.

AVMT 2209 Aircraft Flight Control Systems. 3 hrs.

A detailed study of aircraft control surfaces to include operation, assembly and rigging. Airframe inspection procedures is also covered. PR: AVMT 1109, 1105. Meets FAR 147 requirements. Must have a "C" grade or better to pass. Aviation or Homeland Security majors only.

AVMT 2210. Non Metallic Structures. 3 hrs.

A study of wood, fabric, composite and plastic aircraft structures; also covered is the finishing of these structures. PR: AVMT 1102, 1103, or permission from the instructor. Meets FAR 147 requirements. Must have a "C" grade or better to pass. Aviation or Homeland Security majors only.

AVIATION ADMINISTRATION

(School of Business, Aviation & Technology)

AVMA 1100 Aircraft Flight Theory. 3 hrs.

A study of the subject areas and information needed to operate as a private pilot in the aviation environment. Must have a "C" grade or better to pass. Aviation or Homeland Security majors only.

AVMA 1101 Private Pilot Technology. 3 hrs.

The course is designed to provide successful Private Pilot candidates with the basic skills and knowledge necessary for certification as a Private Pilot under Part 141, Appendix B, of the Federal Air Regulations. The course will consist of approximately 50 contact hours of classroom based ground school instruction and a minimum of 35 hours of logged flight training (total flight hours may vary depending on individual student ability). Students are expected to immediately take the Private Pilot Knowledge Test upon completion of their Private Pilot Ground School component. Students will be signed-off to take the Private Pilot Practical Flight Exam, as required by FAA certification, upon successful completion of all flight requirements. Must have a "C" grade or better to pass. Aviation or Homeland Security majors only.

AVMA 1102 Introduction to Air Traffic Control. 3 hrs.

This course provides a description of basic air traffic control procedures and phraseology used by personnel providing air traffic control services. Topics include the history of air traffic control, definitions, basic phraseology, airspace utilization, and air navigation and Federal Aviation Administration rules governing air traffic control. Must have a "C" grade or better to pass. Aviation or Homeland Security majors only.

AVMA 1109 Air Rescue Fire Fighting. 3 hrs.

This course is designed to provide the beginning student with a basic understanding of the principles and methodology of Air Rescue and Fire Fighting in aircraft incidents both on and off the airfield. It reviews the physics of fire and the different types of fires that are extinguished during the first responders handling of different aircraft emergencies. The student will be able to identify the different types of fire fighting retardants and the correct application of each. The student will be trained in the correct procedures for approaching aircraft in emergency situations, gaining access to crashed aircraft, the safe extraction of survivors, and basic triage procedures. The students will also be able to explain how to secure a crash site and the damaged aircraft. They will also have an understanding of the handling of hazardous materials at the scene of an incident. PR: Major in Homeland Security. Must have a "C" grade or better to pass. Aviation or Homeland Security majors only.

AVMA 1199 Special Topics. 1/12 hrs.

A study of special topics of educational, technical or industrial concern. Must have a "C" grade or better to pass. Aviation or Homeland Security majors only.

AVMA 2201 Instrument Pilot Technology. 3 hrs.

The course is designed to provide successful Instrument Pilot candidates with the basic skills and knowledge necessary for certification as Instrument rated Private Pilot in accordance with the minimum requirements as set forth in Part 141, Appendix B, of the Federal Air Regulations. The course will consist of approximately 30 contact hours of classroom based instrument ground school instruction and a minimum of 35 hours of logged instrument flight training (total flight hours may vary depending on individual student ability). A portion of the instrument flight training may be conducted on a Personal Computer-Based Aviation Training Device (PCATD); up to 10 hours toward flight requirements and 5 hours toward ground school requirements. Students will be expected to immediately take the FAA approved Instrument Pilot Airman Knowledge Test upon completion of their Instrument Ground School component. Students will be signed-off to take the Instrument Pilot Practical Flight Exam required for FAA certification upon successful completion of all flight requirements. PR: Private Pilot certification. Must have a "C" grade or better to pass. Aviation or Homeland Security majors only.

AVMA 2206 Aviation Security. 3 hrs.

This course is designed to provide the beginning student with a basic understanding of the history of aircraft security in the aviation industry. The changing nature of aviation security over the years and how it has impacted society will be discussed. It will discuss and analyze the different methodologies of aviation security both in domestic and foreign methodologies. The course will also examine the industries responses to the changes in aircraft security in both general, corporate, and transport aviation. It will also address the needs of aviation personnel for security both in the air and on the ground. PR: Major in Homeland Security. Must have a "C" grade or better to pass. Aviation or Homeland Security majors only.

AVMA 2210 Aviation Meteorology. 3 hrs.

A survey of the basic concepts and processes of atmospheric phenomena and their relation to aeronautical conditions. Must have a "C" grade or better to pass. Aviation or Homeland Security majors only.

AVMA 2211 Airport Management. 3 hrs.

This course presents a study of airfield operations, and management with a focus on the role of the airport manager, the role of the airport in the community, budgeting, marketing and tenant relationships. Must have a "C" grade or better to pass. Aviation or Homeland Security majors only.

AVMA 2213 Airport Planning and Development. 3 hrs.

The principles of airport system planning and airport master planning will be studied. Airport design standards, historical evolution of airports, key airport legislation and environmental impact planning for airports are key course topics. Must have a "C" grade or better to pass. Aviation or Homeland Security majors only.

AVMA 2214 Air Traffic Control Procedures. 3 hrs.

This course is designed to prepare the student to successfully complete the FAA Air Traffic Controller screening exams. Topics covered include: Tower procedures, aircraft separation, departures/arrivals, special procedures.. Must have a "C" grade or better to pass. Aviation or Homeland Security majors only.

AVMA 2225 Airline Transport Security. 3 hrs.

This course is designed to provide the beginning student with a basic understanding of the airline transport security system currently in use at major airports around the world. The student will be trained in security considerations at both the airport terminal and in the air. The student will be familiar security requirements as set by the Transportation Security Administration.

The student will demonstrate knowledge of security responsibilities of screeners and other security personnel, submission to screening and inspection, procedures security and handling of interference with screening personnel, carriage of weapons, explosives, and incendiaries by individuals. The student will demonstrate knowledge of security of a secured area, security of the air operations area, security of the security identification display area, access control systems, and Law enforcement support. The student will be trained in procedures currently in place to provide in-flight safety of the crew and airline passengers. PR: Major in Homeland Security. Must have a "C" grade or better to pass. Aviation or Homeland Security majors only.

AVMA 2299 Special Topics one-twelve hours

A study of special topics of educational, technical or industrial concern. Must have a "C" grade or better to pass. Aviation or Homeland Security majors only.

AVIONICS

(School of Business, Aviation & Technology)

AVIO 1102 Principles of Radio Transmitters and Receivers. 3 hrs.

This course examines the fundamental principles of radio communications. Specific topics include RF generation, amplification,

filtering, frequency conversion, types of modulation, propagation characteristics of RF waves, bandwidth considerations, and other topics related to the transmission, reception, and processing of RF signals. PR: ELEC 1100. Must have a "C" grade or better to pass. Aviation or Homeland Security majors only.

AVIO 1110 Aircraft Power Generation and Distribution Systems. 3 hrs.

This course examines DC and AC power generation systems, generator paralleling, voltage regulation, power distribution and circuit protection devices, and DC and AC machines used in aircraft systems. Emphasis is on developing an understanding of the systems adequate to test, inspect, troubleshoot, and repair at the system and component levels. PR: ELEC 1100. Must have a "C" grade or better to pass. Aviation or Homeland Security majors only.

AVIO 2200 Electronic Flight Management Systems. 3 hrs.

This course introduces the student to the principles of operation of various Flight Management Systems including: auto-pilot, automatic test equipment (BITE), EICAS, and on-board flight management computers. PR: AVIO 1110, ELEC 1100. Must have a "C" grade or better to pass. Aviation or Homeland Security majors only.

AVIO 2202 Instrument Landing Systems. 3 hrs.

This course introduces the student to the theory of operation, troubleshooting and operational checks of instrument landing systems. PR: AVIO 1102. Must have a "C" grade or better to pass. Aviation or Homeland Security majors only.

AVIO 2204 Aircraft Navigation Systems. 3 hrs.

This course focuses on flight navigation equipment used in modern aircraft. The course will introduce the student to the operating principles, components and troubleshooting procedures for navigation systems. PR: AVIO 1102. Must have a "C" grade or better to pass. Aviation or Homeland Security majors only.

AVIO 2206 Aircraft Communication Systems. 3 hrs.

This course introduces the student to the theory of operation and "Black Box" level maintenance of airborne communications equipment including VHF/HF radios, antennas, interphones, P.A. systems and passenger entertainment systems. PR: AVIO 1102. Must have a "C" grade or better to pass. Aviation or Homeland Security majors only.

AVIO 2208 Avionics Maintenance Practices. 2 hrs.

This course introduces the Avionics student to the fundamentals of aircraft maintenance with the emphasis on developing manipulative skills. Must have a "C" grade or better to pass. Aviation or Homeland Security majors only.

AVIO 2209 Aircraft Pulse and Radar Systems. 3 hrs.

This course examines aircraft pulsed microwave systems including weather radar, distance measuring equipment (DME), and ATC transponder systems. PR: AVIO 1102. Must have a "C" grade or better to pass. Aviation or Homeland Security majors only.

AVIO 2210 FCC License Preparation. 2 hrs.

This course prepares the student to successfully complete the Federal Communication Commission's General Radio-Telephone License. PR: AVIO 1102. Must have a "C" grade or better to pass. Aviation or Homeland Security majors only.

BIOLOGY

(School of Academic Studies)

BIOL 1170 Anatomy and Physiology. 4 hrs.

Examination of the architecture of cells, tissues, organs, and organ systems relationships which interact in the process leading to the total function of the human being. This examination will include a detailed

study of the digestive, respiratory, excretory, nervous, reproductive, and endocrine systems as well as their interactions. . 3 hrs. lecture and one two-hour lab per week. The course is designed for the Allied Health Programs and will not count as an elective toward any biology degree requirements. The three (3) hours option is open only to students in certain designated programs who will not take the lab.

BIOL 1199 Special Topics. Varied hrs.

BIOL 2205 Technical Microbiology. 4 hrs.

Designed for the Allied Health Programs to emphasize the history of microbiology; microbial morphology and structure; microbial growth and physiology; environmental effects on bacteria; inhibition and killing of bacteria; virulence, pathogenicity, and invasiveness of microbes; modes of disease transmission; resistance and immunity; and techniques of isolation; handling, culturing, identifying bacteria and the inhibition of bacteria. Safety, cleanliness, and responsibility are taught in the laboratory. . 3 hrs. of lecture and one two-hour lab per week. BIOL 2224 will not substitute for BIOL 2205 or vice versa.

BUSINESS TECHNOLOGY

(School of Business, Aviation and Technology)

BUSN 1102 Introduction to Business. 3 hrs.

This entry-level course helps the student when choosing a major. The course is a survey of the various fields of business designed to acquaint the student with the basic principles, practices, and employment opportunities of each field.

BUSN 1141 Business Mathematics. 3 hrs.

This course is designed to provide knowledge and skill in the computation of the practical problems of business. The course content is an introduction to procedures in the fields of accounting, business finance, marketing, and related business subjects. (This course does not meet the Liberal Studies math requirement. Juniors and seniors in any four-year Business major are not permitted to take this class unless it is specifically required in the major.)

BUSN 1199 Special Topics in Business. 1/12 hrs.

Studies in special selected topics. The topic to be studied will be determined by the instructor and approved by the School's chairman. Credits earned will be applicable as free electives in degree and certificate programs.

BUSN 2205 Small Business Fundamentals. 3 hrs.

An introductory course designed to familiarize students with small business dynamics. Students analyze personal strengths and weaknesses relative to launching an entrepreneurial career. Attention is given to planning, financing, starting, and managing a new business.

BUSN 2210 Human Relations in Business. 3 hrs.

The goal of this course is to teach skills and procedures and to raise students' awareness level for the many issues involving relationships on the job. Students will be exposed to the most significant human relations issues in today's workplace and will explore the relationship between effective human relations skills and ongoing career success. PR: BUSN 1102.

BUSN 2251 Corporate Communications. 3 hrs.

This course focuses on writing effective business correspondence including letters, memos, and e-mail messages. Interpersonal communications in the workplace are also addressed. This course also deals with the preparation and presentation of professional reports. The various forms of communication necessary for job hunting, including resumes and application letter, are also integrated into the course. PR: ENGL 1104.

CHEMISTRY

(School of Science and Mathematics)

CHEM 1101 General Chemistry. 4 hrs.

This course is a study of the theoretical concepts needed to understand typical chemistry phenomena. The concepts include the nature of science, matter and measurements, the stoichiometry of chemical reactions, solutions and the calculation of concentration, energy relationships in chemistry, modern atomic theory, chemical bonding and molecular structure, and the classification of reactions. Three lectures and one three-hour laboratory per week. PR: ACT Math score of 19 or MATH 0095 or SAT Math 460 or Compass 36.

CHEM 1102 General Chemistry. 4 hrs.

This course is an extension of Chemistry 1101. It covers acid-base theory, chemical equilibrium, oxidation-reduction, and an introduction to organic chemistry which includes the various classes of organic compounds, their nomenclature, structure, properties and reactions. The synthesis of polymers and their uses are included. The course consists of . 3 hrs. lecture and one three-hour laboratory per week. PR: CHEM 1101.

CHEM 1105 Chemical Principles. 5 hrs.

This course and the following one, Chemistry 1106, constitute a study of inorganic and elementary physical chemistry based on the topics stoichiometry, atomic and molecular structure, periodic properties, phase relations, solution chemistry, chemical equilibrium, kinetics, electrochemistry, and nuclear chemistry. Four lectures and one three-hour laboratory per week. PR: ACT Math score of 20 or CHEM 1101 with a grade of "C" or better, or SAT Math 480, or Compass 42.

CHEM 1106 Chemical Principles. 5 hrs.

Three lectures will complete the coverage of the material listed above for CHEM 1105. Four lectures and one three-hour laboratory per week. PR: CHEM 1105.

CIVIL

(SEE FAIRMONT STATE UNIVERSITY CATALOG)

COMPUTER SCIENCE

(School of Science and Mathematics)

COMP 1100 Concepts of Computing. 3 hrs.

This course provides an overview of use and capability of computer hardware and software. Computer terminology and an understanding of similarities and capabilities of application software are emphasized. Developing skill in using specific applications is not the primary emphasis of the course. Included is (1) a discussion of the components of a current computer system and how they interact, (2) an introduction to a small variety of application software with emphasis on similarities of the applications, (3) data transfer between applications, copying files, downloading and uploading, (4) troubleshooting techniques for hardware and software problems, and (5) a discussion of computer programming. Classes will meet in a computer lab several times during the course as software is introduced. Assignments will include projects requiring use of the applications and a project involving the writing of an elementary program.

COMP 1101 Applied Technical Programming. 3 hrs.

This course will provide an introduction to the BASIC programming language as well as familiarity with microcomputer hardware and operating system commands. Several short programming projects will be assigned. The emphasis of the projects will be technological applications. This course may not be substituted for either COMP 1100 or COMP 1102. PR: MATH 1101.

CRIMINAL JUSTICE

(School of Health & Human Services)

CRJU 1100 Introduction to Criminal Justice. 3 hrs.

This course introduces the student to the three principal components of the criminal justice system: law enforcement, judiciary, and corrections. It will examine the history, structure, functions, and issues of each component, and introduce the student to the measurement of crime, criminological theories, criminal law, justice perspectives, and the juvenile justice system.

CRJU 1101 Police Operations. 3 hrs.

The student will be introduced to the day-to-day duties of a police officer. Emphasis will be placed on community and human relations, patrol and traffic functions, order maintenance, report writing, investigations, communications, interviewing, search and seizure, and arrest. Police stress and survival skills will also be discussed.

CRJU 1199 Special Topics in Criminal Justice. 1/12 hrs.

Studies in special selected topics. The topic to be studied will be determined by the instructor and approved by the School's chairman. Credits earned will be applicable as free electives in degree and certificate programs. PR: CRJU 1100.

CRJU 2202 Principles of Criminal Law I. 3 hrs.

Structure, definitions and interpretations of criminal statutes of particular interest. The scope, purpose, and definition of the criminal law in general, including the study of crimes against the person, property, and other offenses.

CRJU 2203 Computer Crime: Legal Issues and Investigation Procedures. 3 hrs.

This course provides an overview of computer crime and procedures forensic computing specialists, law enforcement investigators and prosecutors must invoke to successfully prosecute computer criminals.

CRJU 2205 Natural Resources Laws. 3 hrs.

A study of the State Natural Resources Laws dealing with the objectives of the Department of Natural Resources, the meaning of these various laws and regulations and the authority granted officers in their enforcement. PR: CRJU 1100.

CRJU 2206 Introduction to Corrections. 3 hrs.

A survey of the current correctional process in America which includes the origin and legal procedures of the present system and the effects of the system on the individuals well as on our society. Special emphasis is given to current theories of rehabilitation in the institution and in probation and parole. Emphasis is also given to the administration of the adult and juvenile institutions and the alternatives and future of the present system.

CRJU 2209 Firearms. 3 hrs.

This course addresses safety precautions, legal provisions, moral aspects, principles of decision shooting, and restrictions in the use of firearms. Nomenclature and the firing process of the sidearm and shotgun will be demonstrated. PR: CRJU 1100.

CRJU 2212 Abnormal Behavior and Crisis Intervention. 3 hrs.

A study of the recognition and handling of abnormal persons with emphasis on those mental conditions most encountered by the criminal justice practitioner. Methods of crisis intervention, basic conflict management, and referral and diversion will also be discussed. PR: CRJU 1100.

CRJU 2215 Introduction to Private Security. 3 hrs.

Students will be introduced to the private security industry. The course will analyze the evolution, philosophy, responsibilities, and functions of private security. It will include risk management, occupational safety and health, public relations, and loss prevention measures. The student will examine similarities and differences between private security and public policing. PR: CRJU 1100

CRJU 2218 Police Administration. 3 hrs.

This course is a survey of public police administration and includes political influences and controls, principles of leadership, interpersonal and organizational communication, human resource management, labor relations, information systems and applications, planning and decision making, financial management, measurement of productivity, and organizational change. PR: CRJU 1101.

CRJU 2220 Juvenile Justice Process. 3 hrs.

Definitions of delinquent behavior; contributing social problems; adolescence as a subculture; the adjudication process for juveniles - philosophy and practice; treatment procedures. PR: CRJU 1100.

CRJU 2226 Crime Scene Investigation. 3 hrs.

This course will examine all aspects of performing a thorough and methodical crime scene investigation. This course will address a variety of crime scene ranging from crimes of violence to property crime scenes. Various types of physical evidence such as latent prints, trace evidence, biological fluids will be examined. The methods and procedures utilized for the collection of evidence will be demonstrated and examined. PR: CRJU 1100

CRJU 2236 Criminal Investigation. 3 hrs.

This course will survey the fundamental techniques of criminal investigation. Students will be exposed to the history of criminal investigation and criminalistic, interviewing and interrogation, physical evidence, crime scene procedures, crime analysis, investigation techniques, report writing and case preparation, and courtroom testimony. PR: CRJU 1100.

CRJU 2240 Adjudication Process. 3 hrs.

Role and structure of prosecution, public defense, and the courts; basic elements of the substantive criminal law; procedural law and its relation to constitutional guarantees. PR: CRJU 1100.

CRJU 2246 Criminal Evidence. 3 hrs.

Constitutional and procedural considerations affecting arrest, search and seizure, post-conviction treatment; origin, development, philosophy, constitutional basis of evidence, kinds and degrees of evidence and rules governing admissibility; judicial decisions interpreting individual rights and case studies; focus upon the case study approach. PR: CRJU 1100.

CRJU 2255 Law of Corrections. 3 hrs.

This course is designed to introduce the student to the concepts of law related to the rights of the accused and convicted in the corrections environment, both pre-conviction and post-conviction, including the constitutional rights of pretrial detainees and prisoners; remedies available for the violation of such rights; potential liability (civil and criminal) of corrections officials for violation of such rights and some practical applications of such principles. The course will utilize the case study method in combination with lectures and readings to achieve the stated goals. PR: CRJU 2206.

CRJU 2256 Homicide Investigation. 3 hrs.

This course will examine all aspects of performing a thorough and methodical death investigation. The course will address the initial arrival, securing the scene, forensic evidence, follow-up, causes and motives. Suicides, accidental deaths, natural causes, homicide, serial and mass murder will also be examined. The importance of latent prints, blood spatters, rigor mortis, livor mortis, entomology, bite marks, interrogations and current software to aid in an investigation will be examined. PR: CRJU 2236.

CRJU 2257 Risk Management. 3 hrs.

This course is designed to assist the student in obtaining an advanced understanding of risk management. The process of risk management is utilized in determining your assets, vulnerabilities, and threats and then protecting them. Required core class for the Homeland Security Degree Program. PR: Must be admitted to the A.A.S. Homeland Security Degree Program. PR: CRJU 1100.

**CRJU 2260 Terrorism, Counter Terrorism, and
Terrorism Response. 3 hrs.**

This course is designed to provide the beginning student with a basic understanding of the history of terrorism, its impact on society, the domestic and foreign evolution of terrorism, various terrorist groups around the world, and the appeal of terrorism to fringe and un-empowered groups. The course will also examine the law enforcement responses to terrorism. Required for the Criminal Justice Track of the HS AAS Degree. PR: Must be admitted to the A.A.S. Homeland Security Degree Program. PR: CRJU 1100, 1101.

CRJU 2266 Sex Crimes. 3 hrs.

This course will examine all aspects of performing a thorough sex crime investigation. The course will also examine sexual behavior, theories of sexual deviance, nuisance sex behavior, incest, pedophilia and dangerous sex practices. The student will be further exposed to investigative issue such as: bite marks, latent prints, interrogation, and profiling. PR: CRJU 1100, CRJU 2236

DANCE

(School of Health & Human Services)

**DANC 1100. Introduction to Social Ballroom
Dancing. 2 hrs.**

This course will enable the student to participate in social occasions requiring ballroom dancing skills, such as weddings and formal social and business parties, as well as informal occasions requiring the display of social graces. The course includes learning the basic steps of both the rhythm dances: salsa, rumba, chacha, swing and the smooth dances: waltz, foxtrot, and tango. Students with previous dance experience may receive credit through examination.

DANC 1107 Introduction to Dance. 2 hrs.

This course will be an introduction to basic movement techniques and skills in ballet and various modern and jazz dance styles. Introduction to the fundamentals of improvisation and composition will be covered. Utilizing rhythm and movement as dimensional elements of this space-time art. Students with previous dance experience may receive credit through examination.

**DANC 1110 Ballroom Dancing Culture and
Behavior. 1 hr.**

This class will cover the introduction to the tradition, history, and legacy of ballroom dancing. Partnership issues, problems, and expectations will be discussed, as well as etiquette, manners, and social graces, as expected of ballroom dancers.

DANC 1120qBallroom Dancing Stage Craft. 1 hr.

This course covers acting principles for ballroom dancing. Facial expressions and body language of most dances will be included. In addition, make-up and hair dress for major groups of dances will be covered.

**DANC 1130 Ballroom Dancing Rhythm and
Repertoire. 1hr.**

This course is rhythmic patterns of the twenty ballroom dances. Traditional and modern repertoire in social and competitive dances will be covered.

**DANC 1140 Ballroom Dancing Instruction
Practicum. 1 to 3 hrs.**

This course will enable the student to learn and practice ballroom dancing teaching skills at the college, schools and other venues such as youth and community groups. Must be taken during three separate semesters at two or three different venues. PR: DANC 1100

**DANC 1150 Ballroom Dancesport Bronze Level. two
hours**

This course will enable the student to perform at the bronze level of

the American rhythm and smooth and International Latin and standard syllabi. PR: DANC 1100

DANC 1199 Special Topics in Ballroom Dance. 1 to 4 hrs.

Students will be given an opportunity to explore various areas of ballroom dancing such as further competitive experience, costume management, entrepreneur opportunities, and other areas of study as determined between the student and the professor. PR: DANC 1140.

DANC 2299 Special Topics in Ballroom Dance. 1 to 4 hrs.

Students will be given an opportunity to explore various areas of ballroom dancing such as further competitive experience, costume management, entrepreneur opportunities, and other areas of study as determined between the student and the professor. PR: DANC 1140.

New Course Prefix and Descriptions (These courses are currently taught, or have been taught under PE Special Topics 199, 299, 399 or 499.

DANC 2200 Ballroom Dancesport Silver Level. 2 hrs.

This course will enable the student to perform at the silver level of the American rhythm and smooth and International Latin and standard syllabi. PR: DANC 1150

**DANC 2230 Ballroom Dancesport Competition
Judging. 1 hr.**

This course will enable the student to participate as judge and scrutineer at college competitions and organizer of competition judging at other venues. PR: 2 hours of DANC 2270

DANC 2250 Ballroom Dancesport Gold Level. 2 hrs.

This course will enable the student to perform at the gold level of the American rhythm and smooth and International Latin and standard syllabi. PR: DANC 2200

**DANC 2270 Ballroom Dancing Competitive
Experience. 1 hr.**

Students will participate at dancesport competitions as member of the Fairmont State Dancing Falcons for at least three semesters. In their last semester students are expected to perform some dance at the gold level. Must be repeated for three credit hour

DRAFTING/DESIGN

(School of Business, Aviation & Technology)

DRFT 1100 Engineering Graphics. 3 hrs.

Basic drawing processes and techniques including freehand lettering, geometric construction, sketching, multi-view and pictorial drawing, dimensioning and sheet layout. Tools, drawing surfaces, computer graphics, and projection theory will be stressed throughout the course.

DRFT 2200 Fundamentals of CAD. 3 hrs.

This is an introductory Computer Aided Drafting (CAD) course. Software to be covered will be Windows and the use of AutoCAD. The student will learn on a PC workstation and become familiar with plotters and printers.

DRFT 2205 Introduction to Solid Modeling. 3 hrs.

An introduction to convey information as to the shape, size, and formation of a three dimensional object. Areas include technical sketches, drawings, and illustrations for parts catalogues. Content areas include: isometrics, three dimensional wire frames, surface models, and solid models. Three dimensional rendering will also be explored. PR: DRFT 2200.

DRFT 2215 Architectural Drafting. 4 hrs.

A comprehensive study of the planning, designing and drawing of a single family residence. Primary considerations include the site, styling, codes, zones and basic construction techniques. Modern house planning results in a complete set of plans and specifications.

DRFT 2225 Descriptive Geometry. 3 hrs.

A study of the science of graphic representation and solution of space problems involving points, lines, intersections, parallelism, perpendicularity, revolution, vectors, developments, shades and shadows, conics, and spherical triangles.

DRFT 2235 Technical Drafting. 3 hrs.

This course covers advanced drafting/ design techniques by using a computer graphics workstation. Study will include: industrial detail drawing, electrical/electronics drawing, topographic mapping, pipeline drawing, and production/working drawings. PR: DRFT 2200.

DRFT 2245 Architectural Design. 3 hrs.

As approach to the development of residential design problems. Sketching, interior perspective and rendered perspective will be covered to prepare interior design majors. Content covers: architectural, pictorial and presentation drawings. PR: DRFT 2200.

DRFT 2255 Tool Design. 4hrs.

This course covers the design of tooling, including jigs and fixtures for machine operations such as drilling, reaming, tapping, milling, and turning. Study will include modern tooling techniques, the use of computer graphics, tooling economics, and development of jigs and fixtures that meet ANSI standards. PR: DRFT 2200.

EARLY CHILDHOOD

(School of Health & Human Services)

EC 1105 Development of Young Children. 3 hrs.

The student will study the physical, social, emotional, and cognitive development of young children with the focus on the preschool period from ages three through five. The course emphasis will be on applying the theories and research of child development to practices and procedures used when working with young children in an early childhood program.

EC 1106 Health and Safety in Early Childhood Programs. 2 hrs.

This course provides an introduction to health and safety requirements and responsibilities for individuals working in early childhood programs. Health, nutrition, and safety policies, procedures, and practices are studied. Students will meet state health and safety licensing requirements for child care employees.

EC 1107 Early Childhood Curriculum. 3 hrs.

The student studies how to plan, prepare and implement developmentally appropriate curriculum for early childhood programs. Opportunities for hands-on learning experiences are provided. Practicum experience is required.

EC 1130 Foundations of Early Childhood. 3 hrs.

Students become familiar with various types of early childhood programs and the career opportunities they provide. The history of early childhood is introduced as well as current trends and quality program criteria. Concepts for providing developmentally appropriate practices are introduced.

EC 2206 The Child in the Family. 3 hrs.

This course examines relationships between the young child and other members of the family unit and the relationship between the family and the early childhood program. The focus is on the child during infancy, toddler and preschool years. Studies include the diversity of family lifestyles and cultures.

EC 2230 Classroom Strategies. 3 hrs.

Students study theories of early childhood education with emphasis on classroom management, teaching methods, assessment and behavior guidance. Student's demonstrate their knowledge and understanding of theories and best practices by preparing appropriate thematic units and lesson plans for preschool children.

EC 2231 Administration of Programs. 3 hrs.

This course allows students to study early childhood programs from the perspective of the person serving in the role of leader and administrator. Studies include the planning and development of a program or center, budgeting issues, environmental planning and preparation, state licensing regulations, health and safety guidelines, staffing and personnel issues and parent-school relationships.

EC 2232 Early Childhood Practicum I. 3 hrs.

The student will gain practical experience interacting with young children as a practicum student in a community early childhood program and in the campus Laboratory Preschool. PR: EC 1107, EC 1130.

EC 2240 Infant Toddler Development and Care. 3 hrs.

The physical, social, emotional, cognitive and language development of the child from conception to age three will be studied. The course will include appropriate procedures and practices to use when caring for infants and toddlers in a group setting as well as in a private home.

EC 2262 Early Childhood Practicum II. 4 hrs.

Students will utilize the knowledge and skills from all theory and practicum courses as they participate in an early childhood program. Lesson planning, preparation and presentation will be required as the student gains actual teaching experience. PR: EC 1107, EC 2232.

EC 2283 Cognitive Development. 3 hrs.

Students study theory and research relevant to the cognitive development of children during early childhood. Emphasis is placed on applying theory and research to behavior guidance and curriculum planning.

ECONOMICS

(School of Business)

ECON 1199 Special Topics in Economics. 1/12 hrs.

Studies in special selected topics. The topic to be studied will be determined by the instructor and approved by the School's chairman. Credits earned will be applicable as free electives in degree and certificate programs.

ECON 2200 Economics. 3 hrs.

Economics 2200 is intended as a General Education course for non-business majors. It will provide the student with a broad background in the field. The student will be exposed to micro and macro economic theory and international economics and should develop adequate knowledge to understand the role of economic systems and the application of economic principles in modern society.

ECON 2201 Economic Principles and Problems I. 3 hrs.

(For those meeting the requirement of six hours in Economics) The course approaches the subject from the point of view of macroeconomics covering the nature and method of economics and describing how the capitalistic system functions. Further study is made of the business cycle, fiscal policy, monetary policy, gross national product, and similar concepts. Some time is devoted to the study of competing economic systems.

ECON 2202 Economic Principles and Problems II. 3 hrs.

(For those meeting the requirements of six hours in Economics) This course is devoted to microeconomics. It follows the analysis of the firm and the decisions made by the managers of the firm. It includes the analysis of demand and supply and price and output determination. It is also concerned with the important problems in the field of economics: monopoly, agriculture, international trade, labor, economic development, and similar problems. PR: ECON 2201.

EDUCATION

(School of Health & Human Services)

EDUC 1105 Basic Skills for Instructional Support. 3 hrs.

This course will cover learning strategies and study skills for the para professional, including strategies for remembering information, reading and taking notes, interpreting graphic aids, strategies for improving time management, preparing for and taking tests, and finding and using information. In addition, math strategies and learning problems in mathematics, plus reading skills, phonics, sight words, and reading comprehension, will be covered.

EDUC 2206 Instructional Support Strategies. 3 hrs.

This course will cover legislation affecting special education laws and the learning experience, the difference between mainstreaming and inclusion, the IEP, and the self-contained classroom. In addition, implementing effective classroom management will be covered. Behavioral support in a positive learning environment and the role of the family, for encouraging and including parental input in an educational plan will be included.

EDUC 2207 Behavior Support Strategies. 3 hrs.

This course presents basic principles and practices in the use of applied behavior management with both normal and exceptional learners. Students will be given firsthand experience in using behavior analysis and other behavioral support strategies in field settings.

ELECTRONICS

(SEE FAIRMONT STATE UNIVERSITY CATALOG)

EMERGENCY MEDICAL SERVICES

(School of Health & Human Services)

EMMS 1100 Introduction to EMS. 2 hrs.

This course is designed to acquaint the student with emergency medical services roles & responsibilities, well being of the EMS provider, illness and injury prevention, medical-legal issues, ethics, therapeutic communications, and life span development. It must be taken concurrently with EMMS 1103, 1104 and 1106.

EMMS 1103 Emergency Medical Technician - Basic. 7 hrs.

This course provides didactic and practical application in basic life support aspects of pre-hospital care and is based upon the U.S. Department of Transportation's National Standard Curriculum for Emergency Medical Technician - Basics. This course prepares students for the National Registry of EMT's certification examination. There will be six lecture hours and two lab hours each week. It must be taken concurrently with EMMS 1100, 1104 and 1106.

EMMS 1104 Emergency Medical Services - Operation. 2 hrs.

This course will include in-depth review of such topics as emergency vehicle operations, medical incident command, rescue awareness and operations, hazardous materials recognition and crime scene awareness. It must be taken concurrently with EMMS 1100, 1103 and 1106.

EMMS 1106 Emergency Medical Services - Practicum I. 1 hr.

This course provides the student with the opportunity to observe and apply the skills learned in EMS 103 in a supervised clinical setting including a local hospital emergency department, regional medical command center and on a field EMS unit. A minimum of fifty hours is required and will be scheduled by the student on an individual basis through the EMS Coordinator. It must be taken concurrently with EMMS 1100, 1103, and 1104.

EMMS 1107 Basic Trauma Life Support. 1 hr.

This two day course is designed to teach EMT's First Responders and other health care professionals to rapidly assess, resuscitate, package, and transport patients with traumatic injuries. Simulated traumatic injuries in situations and scenarios will be used to evaluate the students practical skills. Participants who choose to be certified will be required to pay the necessary certification fees required by State or National certifying agencies.

EMMS 1108 Emergency Medical Services - Pharmacology. 3 hrs.

In this course students will learn about pharmacodynamics, pharmacokinetics, drug administration, intravenous therapy and specific medications used in the pre-hospital setting. It must be taken concurrently with EMMS 2207, 2208 and 2209. PR: EMMS 1106 and BIOL 1170.

EMMS 1109 Cardiopulmonary Resuscitation (CPR) and Workplace Safety. 1 hr.

In this course students will learn adult and pediatric basic life support skills CPR and study the numerous health and safety issues associated with health care facilities. The topics include but are not limited to: OSHA standards, emergency preparedness, fire safety, electrical safety, compressed gas safety, tuberculosis/respiratory protection, bloodborne pathogens and biological hazards, potential chemical and drug exposures, ergonomic hazards from lifting and repetitive tasks and how to safely handle these potential hazards. This course may be repeated for re-certification purposes.

EMMS 1111 Home Land Security Practicum I. 1 hr.

This course provides the student with the opportunity to observe and apply the skills learned in the homeland security core courses. The locations visited will include hospital emergency departments and triage areas, 911 centers, regional medical command center and field EMS unit rotations. A minimum of twenty-four hours is required and will be scheduled by the student on an individual basis through the EMS Coordinator. It must be taken concurrently with EMMS 1100, 1103 and 1104. (Must be admitted to the A.A.S. Homeland Security Degree Program to enroll in EMMS 1111.)

EMMS 1112 Emergency Response to Terrorism: Basic Concepts. 3 hrs.

This course is designed to prepare first-responder personnel to take the appropriate course of action at the scene of a potential terrorist incident. The course will provide students with a general understanding and recognition of terrorism, defensive considerations (biological, nuclear, incendiary, chemical and explosive), as well as command and control issues associated with criminal incidents. The student will be able to recognize and implement self-protective measures, secure the scene, complete appropriate notifications to local, State, and Federal authorities, and assist in completing a smooth transition from emergency to recovery and termination operations. (Must be admitted to the A.A.S. Homeland Security Degree Program to enroll in EMMS 1112.)

EMMS 1199 Special Topics in Emergency Medical Services. 1/12 hrs.

This course is concerned with specialized studies in selected topics. The topics to be studied will be determined by the EMS Coordinator and approved by the School Chairperson. Credits earned will be applicable as free electives in degree and certificate programs.

EMMS 2200 Advanced Cardiac Life Support. 1 hr.

This two day course is designed to teach EMT - Intermediates, Paramedics, and other advanced life support health care professional the most current knowledge and skills in caring for adult patients with cardiac emergencies. Scenario based instructions is used to teach and evaluate the participants knowledge and skills. A basic understanding of electrocardiography and arrhythmia recognition is recommended. Participants who choose to be certified will be required to pay the necessary certification fees required by State or National certifying agencies. PR: A current American Heart Association health care

provider card and or American Red Cross professional rescuer CPR certification card.

EMMS 2201 Pediatric Advanced Life Support. 1 hr.

This two day course is designed to teach EMT Intermediates, Paramedics, and other advanced life support health care professionals the most current knowledge and skills in caring for pediatric patients. This course covers a broad spectrum of pediatric emergencies. Participants who choose to be certified will be required to pay the necessary certification fees required by State or National Certifying agencies. PR: A current American Heart Association health care provider card and or American Red Cross professional rescuer CPR certification card.

EMMS 2207 Airway Management and Advanced Patient Assessment. 2 hrs.

In this course students will learn the proper approach to patient assessment and advanced airway management skills for both medical and trauma patients. It must be taken concurrently with EMMS 2208, 2209 and ALLH 1106. PR: EMMS 1106, and BIOL 1170. EMS Majors only.

EMMS 2208 Pathophysiology and Shock Trauma Resuscitation. 3 hrs.

In this course students will learn the general principles of pathophysiology, treatment of shock and recognition and management of specific traumatic emergencies. It must be taken concurrently with EMMS 2207 and 2209. PR: EMMS 1106 and BIOL 1170. EMS Majors only.

EMMS 2209 Emergency Medical Services - Practicum II. 2 hrs.

This course provides the student with the opportunity to observe and apply the skills learned in EMS 207, 208 and ALH 106 in a supervised clinical setting including a local hospital emergency department, respiratory therapy department and operating room and on a field EMS unit. A minimum of one hundred clinical hours is required and will be scheduled by the student on an individual basis through the EMS Coordinator. It must be taken concurrently with EMMS 2207, 2208 and ALLH 1106. PR: EMMS 1106 and BIOL 1170. EMS Majors only.

EMMS 2210 Medical Emergencies I. 4hrs.

In this course the student will review the pathophysiology, assessment and management of medical patients with pulmonary and cardiovascular emergencies. It must be taken concurrently with EMMS 2211. PR: EMMS 2209 and ALLH 1106. EMS Majors only.

EMMS 2211 Emergency Medical Services - Practicum III. 2 hrs.

This course provides the student with the opportunity to observe and apply the skills learned in EMS 210 in a supervised clinical setting including a local hospital emergency department, respiratory therapy, cardiac care unit, and on a field EMS unit. A minimum of one hundred clinical hours is required and will be scheduled by the student on an individual basis through the EMS Coordinator. It must be taken concurrently with EMMS 2210. PR: EMMS 2209 and ALLH 1106. EMS Majors only.

EMMS 2212 Medical Emergencies II. 4 hrs.

In this course the student will review the pathophysiology, assessment and management of medical patients with neurological, and endocrinological emergencies, allergies and environmental emergencies, infectious and communicable diseases, behavioral, gynecological and obstetrical emergencies. It must be taken concurrently with EMMS 2214. PR: EMMS 2210 and 2211. EMS Majors only.

EMMS 2213 Special Patients & Situations. 2 hrs.

In this course the student will take an in depth look at the approach to patients with special needs such as neonatal, pediatric and geriatric patients, patients with mental or physical impairments, or patients with high technology medical devices in the out-of-hospital setting. It must be taken concurrently with EMMS 2214. PR: EMMS 2211.

EMMS 2214 Emergency Medical Services - Practicum IV. 2 hrs.

This course provides the student with the opportunity to observe and apply the skills learned in EMS 212 and 213 in a supervised clinical setting including a local hospital emergency department, pediatric unit, obstetrical unit, psychiatric unit and on a field EMS unit. A minimum of one hundred clinical hours is required and will be scheduled by the student on an individual basis through the EMS Coordinator. It must be taken concurrently with EMMS 2212 and 2213. PR: EMMS 2211. EMS Majors only.

EMMS 2215 Assessment Based Management. 1 hr.

This course will serve as the cumulative review and remedial application of what the student has learned in EMS 207 - 214. The course will focus on providing summative evaluation of the student's performance in simulated situations and or scenarios. It must be taken concurrently with EMMS 2212, 2213 and 2214. PR: EMMS 2211. (EMMS 1100, 1103, 1104, 1106, 2207 and 2215, BIOL 1170 and ALLH 1106 are required for the student to complete the U.S. Department of Transportation's National Standard Curriculum for EMT-Paramedic. Upon completion of these courses the student will be eligible to sit for the National Registry EMT - (Paramedic certification exam.)

EMMS 2221 Home Land Security Practicum II. 1 hr.

This course provides the student with the opportunity to observe and apply the skills learned in the homeland security core courses. The locations visited will include the Center for Rural Emergency Medicine, Local branch of the West Virginia Office of Emergency Services and field EMS unit rotations. A minimum of twenty-four hours is required and will be scheduled by the student on an individual basis through the EMS Coordinator. It must be taken concurrently with EMMS 1112. PR: EMMS 1104. (Must be admitted to the A.A.S. Homeland Security Degree Program to enroll in EMMS 2221.)

EMMS 2222 Emergency Response to Terrorism: Tactical Considerations-Emergency Medical Services. 3 hrs.

This course is designed for first on-the-scene responding EMS personnel with the responsibility to render patient care to victims of terrorist incidents. The student will be trained in security considerations, identifying signs of terrorism, anticipating unusual response circumstances, assessing information, and initiating self-protection actions. The student also will apply their knowledge about responding to a terrorist event, providing patient care, identifying and preserving evidence, managing site safety, documenting the event, and debriefing personnel. (Must be admitted to the A.A.S. Homeland Security Degree Program to enroll in EMMS 2222.)

EMMS 2223 Home Land Security Practicum III. 1 hr.

This course provides the student with the opportunity to observe and apply the skills learned in the homeland security core courses. The locations visited will include Local Emergency Planning Committees, Fire Departments, and field EMS unit rotations. A minimum of twenty-four hours is required and will be scheduled by the student on an individual basis through the EMS Coordinator. It must be taken concurrently with EMMS 2222. PR: EMMS 1104 and 1112. (Must be admitted to the A.A.S. Homeland Security Degree Program to enroll in EMMS 2223.)

EMMS 2224 Basic Life Support and Hazardous Materials Response. 1 hr.

This course will emphasize critical concerns for emergency medical responders at hazardous materials incidents. Elements of this course include safety issues for emergency medical service hazardous materials response, managing contaminated victims requiring emergency medical assistance, decontamination and treatment procedures of a basic life support nature, and transportation and receiving facilities. The course will assist the student in understanding and complying with Federal regulations and national recommendations concerning emergency medical response to hazardous materials incidents. (Must be admitted to the A.A.S. Homeland Security Degree Program to enroll in EMMS 2224.)

EMMS 2225 Home Land Security Practicum IV. 1 hr.

This course provides the student with the opportunity to observe and apply the skills learned in the homeland security core courses. The locations visited will include a branch of the West Virginia Department of Health and Human Resources, a branch of the Federal Emergency Management Agency, and field EMS unit rotations. A minimum of twenty-four hours is required and will be scheduled by the student on an individual basis through the EMS Coordinator. It must be taken concurrently with EMMS 2224 and SAFE 2210. PR: EMMS 1104 and 2222. (Must be admitted to the A.A.S. Homeland Security Degree Program to enroll in EMMS 2225.)

ENGLISH

(School of Language and Literature and School of Academic Studies)

ENGL 0092 Basic Reading and Study Skills

(See Academic Development Center)

ENGL 0097 Composition Skills

(See Academic Development Center)

English 1104 Written English 1. 3 hrs.

This course offers a process-oriented practice in drafting, revising, and editing texts. Students learn the principles of expository writing, thesis formulation, organization, paragraph development, audience analysis, appropriate diction, and sentence structure. The course also includes an introduction to reading for content in texts selected from across the disciplines. PR: Minimum scores of 18 on the ACT English, 450 on the SAT English greater than 71 on the COMPASS test (e.g., English 0097). NOTE: English 1104 is a prerequisite for enrollment in all other English courses. A "C" in English 1104 is a graduation requirement for all degrees.

ENGL 1108 Written English II. 3 hrs.

A continuation of Written English I that provides experience in analyzing and writing argument and persuasive prose. A central feature of the course is a library research project that is intended to develop familiarity with reference sources and skill in summarizing the diverse points of view of multiple sources. PR: A "C" in English 1104. NOTE: A "C" in English 1104 and 1108 is a graduation requirement for all degrees.

English 1109 Technical Report Writing. 3 hrs.

This course provides practice in writing expository articles and technical reports. In addition to scientific/technical reports and proposals, students also write business letters, memoranda, and other types of written communication common to the industrial and business worlds. PR: English 1104.

ENGL 2220 World Literature I: Origins to 1650. 3 hrs.

A survey of literary masterpieces from around the world. Readings will include sacred texts (such as the Bible, the Koran, and the writings of Confucius); the epic (Homer, Dante, and Milton); poetry (Li Po, Ovid, and Petrarch); drama (Sophocles, Shakespeare, and Non-Western traditions such as No Drama); and narrative fiction (tales from The Thousand and One Nights, The Tale of Genji, and Don Quixote). PR: ENGL 1104.

ENGL 2221 World Literature II: 1650 to the Present day. 3 hrs.

English 2221 offers a study in translation of literary masterpieces from around the world, including satire (works by authors such as Moliere, Swift, and Voltaire); drama (K'ung Shan-Jen, Ibsen, Chekhov, and Al-Hakim); poetry (Basho, Keats, Dickinson, and Eliot); the short story (Flaubert, Ichiyo, Lu Xun, and Gordimer); and the novel (Yasunari, Achebe, and Desai). PR: ENGL 1104.

ENGL 2230 Introduction to Literature I: Prose Narratives. 3 hrs.

A study of the narrative art both in fictional forms (the short story, the novel, allegory) and non-fictional forms (autobiography, personal essay), with readings from many cultures within a world context, giving substantial exposure to important works written in the last 100 years and to those written by women and minorities. PR: ENGL 1104.

ENGL 2231 Introduction to Literature II: Poetry & Drama. 3 hrs.

This course provides a broad survey of two distinct genres: poetry and drama. We will focus on the forms and conventions of the genres through close reading, discussion, and written response, and we will survey representative works from 5th century Athens to the most contemporary voices. Relevant exposure will be given to poems and plays by and about women and minorities. PR: ENGL 1104.

FINANCE

(School of Business, Aviation & Technology)

FINC 1180 Principles of Banking. 3 hrs.

This course is a survey and introduction to the field of banking, with some concentration on the functions and operations of commercial banks. The course also covers other depository institutions, non-bank financial entities, the Federal Reserve System, the nature of interest, bank regulation, the vocabulary of banking, and some current issues in banking.

FINC 2201 Introduction to Financial Management. 3 hrs.

This course is intended to give the student a background in the field of financial management with emphasis on the areas of cost of capital, cost of external capital, cost of retained earnings, and similar concepts. It will also include material investment decisions and financial decisions.

FINC 2230 Financial Literacy. 3 hrs.

This course provides students with the framework and tools for preparing personal financial plans that serve as roadmaps for goal achievement. It emphasizes the dynamics of the personal financial planning process by considering the impact of life changes - birth, marriage, divorce, job and career, and death.

FINC 2260 Real Estate Principles. 3 hrs.

General introduction to real estate as a business and as a profession that is designed to acquaint the student with the wide range of subjects and terminology necessary to the practice of real estate. This introductory course in fundamentals will include the nature of real estate and ownership, principles and concepts of title transfer, title insurance, real estate marketing, financing, leasing, taxation, insurance, development, appraising, and state license law. The objective of the course is to equip the student with concepts needed to continue successfully in future real estate courses, and to pass the real estate salesmen's license examination.

FINC 2270 Principles of Insurance. 3 hrs.

Primarily concerned with developing an understanding of the basic principles of insurance as well as the nature and operation of the insurance business. Emphasis is given to the principles which underlie the entire field of insurance. Understanding is developed in the fundamental areas of indemnity, insurable interest, coinsurance, risk, subrogation, proximate cause, other insurance, requisites of insurable risks, deductibles, valued policies, probability, and many others. The important functional areas of rating, underwriting, marketing and adjusting are considered, as well as the subjects of regulation, reinsurance, and company organization.

FINC 2288 Consumer Lending. 3 hrs.

This course covers both the theory and practice of installment lending. Topics include credit evaluation, open- and closed-end lending,

forms and terminology of lending, loan policy development, marketing, collections, law and regulation, direct and indirect lending, credit insurance and rate structure and yields. PR: Finance 1180 or consent of instructor.

FINC 2294 Commercial Lending. 3 hrs.

This course provides a conceptual framework for the study of commercial lending. It focuses on how the commercial lending business is organized, how it contributes to bank profitability, and the total commercial lending process. PR: FINC 1180 or consent of instructor.

FINC 2295 Bank Internship. 3 hrs.

Selected students are placed in part-time banking positions with area financial institutions. The student has the opportunity to put theory into practice while developing competencies through on-the-job training. Full-time students pursuing a Bachelor of Science degree may participate in the program. Preference is given to students with a concentration in Finance or Accounting. This course may be repeated for up to six hours credit. PR: FINC 1180, ACCT 2202.

FOLKLIFE STUDIES

(School of Health and Human Services)

***FOLK 1100 Introduction to Museums. 2 hrs.**

This course will introduce students to the various types of museums (historical, art, historic site/house, representational, etc.). It includes presenting a general overview of museum operations, programming, fund raising, grant writing, volunteer management, interpretation, exhibit design and construction, personnel training and management, collections management, and museum networking.

***FOLK 1110 Craft Design and Marketing. 3 hrs.**

This course gives students a broad understanding of the history of craft making, form and function, design and technique, materials and process, as well as an overview of craft application, critiquing, marketing, exhibiting, and documenting. This course presents an overview of craft publications, guilds, organizations, regional festivals, and internet marketing. An introductory overview of available local craft persons and their processes will be reviewed so that students may plan their apprenticeships.

***FOLK 1150 Folk Arts. 3 hrs.**

This studio course gives students a hands-on learning approach to the historical understanding and making traditional/historical folk arts. Various materials will be used including fiber, wood, metal, paper, natural materials, and more to explore weaving/quilting, carving, tinsmithing/metal tooling, marbling/book binding/band box construction, doll making, and other traditional folk arts and crafts. An element of research will also be included in this course.

***FOLK 2210 Museum Education Programming. 3 hrs.**

This course allows students to explore all types of museum programming with special emphasis on children's visitation, special events, adult programming, lecture series, fairs and festivals. Special attention will be drawn to the various educational techniques and tools used as well as evaluation processes. The design and publication of museum materials such as handbooks, exhibit cards, exhibition catalogues, research and information books, journals, and newsletters, will be covered in this course. A major goal of this course is to establish understandings of museum/school relationships as well as an enhancement of general public lifelong learning experiences.

***FOLK 2220 Museum Collections Management. 3 hrs.**

This course will address a variety regarding museum collections including paper memorabilia, three dimensional artifacts, buildings, grounds, and other structures. The technical aspects of managing collections such as acquiring, identifying, processing, cataloging, storing, displaying, preserving, conserving, and researching will be the focus in this course.

***FOLK 2230 Museum Exhibit Design and Preparation. 3 hrs.**

This course will include museum exhibit planning, research, text writing, design, construction, and installation of various types of storyline exhibits and presentations. Techniques will include computer graphics, photography, silkscreening, dry mounting, fixture and kiosk construction, lighting/ventilation/audio visual application, and other technical processes. PR: FOLK 1100

***FOLK 2240 Museum Interpretation. 3 hrs.**

This course explores museum interpretation to the public, researchers, and school children, as well as training museum staff, administration, volunteers, students, and interns. Various avenues of actual interpretation will include the use of the museum facilities, buildings, artifacts, and publications. It may include oral interpretation, first person role play, costumed interpreter/demonstrator, and third person presentations. PR: FOLK 1100

***FOLK 2290 Museum Internship. 1-6 hrs.**

This internship course explores will place the student in an hands-on museum located experience. Students will be placed in the museum type (historical, art, etc.) of their choice and will have as many "real" application experiences with interpretation, exhibit design and construction, collections management, public museum educational programming, administrative management, etc. that can be arranged with the museum of choice. Pre-internship conferencing between the student, museum representative, and the program coordinator will be expected. Conferencing will continue during the experience as well. May be repeated up to 6 hours, including a summer placement PR: FOLK 1100

***FOLK 2295 Folk Art/Craft Apprenticeship. 3-11 hrs.**

During these course hours, students will work directly with master craft persons that have been chosen and arranged by Fairmont State Technical and Community College. Students will work in the master craft person's studio to become proficient in the folk art/craft media chosen. May be repeated up to 11 hours, including a summer placement. PR: FOLK 1110

** Pending Approval*

FOOD SERVICE MANAGEMENT

(School of Health & Human Services)

CULINARY ARTS, DIETARY MANAGER, AND INSTITUTIONAL FOOD SERVICE

FOSM 1119 Intro to the Food Service and Hospitality Industry. 3 hrs.

This course is an overview of all aspects of the hotel, foodservice, restaurant, and travel and tourism businesses, including operations, marketing, and sales. Trends in this rapidly changing industry will be stressed

FOSM 1120 Nutrition in Childhood & Adolescence. 3 hrs.

This course will provide a overview of basic nutrition as well as nutrient standards used to evaluate nutrition status among Americans. Specific focus will include nutrition needs from pre-pregnancy through adolescence. Students will evaluate the new dietary guidelines and food guide pyramid and complete a menu planning assignment and a computer aided diet analysis for an individual between the ages of 2-18.

FOSM 1121 Food Service Facilities & Equipment. 3 hrs.

The emphasis is on food service equipment selection and layout in relation to production and workflow. Specifications, energy sources, use and care of food service equipment will be included in the course. Students will demonstrate the utilization and care of selected food service equipment in a laboratory setting.

FOSM 1122 Safety & Sanitation. 2 hrs.

This course is a look at the latest information in the science of food safety along with appropriate principles to maintain food safety in an operation and to protect against food borne illness. This course incorporates the National Restaurant Association's certification curriculum. Students completing the final certification exam with a minimum score of 75% will be issued a certificate of completion.

FOSM 1130 Basic Baking. 3 hrs.

This course applies the fundamentals of the baking science to the preparation of a variety of pastry and baking products. Will include the use and care of equipment normally found in a bakeshop or baking area. PR or CR: FOSM 1121, FOSM 1122.

FOSM 1140 Food Service Cost Analysis and Management. 3 hrs.

This course will enable students to perform basic cost analysis related to food service operations. The student will perform calculations associated with food costs, labor costs, menu pricing, and other pertinent management functions.

FOSM 1199 Special Topics in Food Service. 1 to 3 hrs.

This course will provide an opportunity for students to further their study of principles and concepts in the various areas in Food Service Management and to apply their knowledge in a variety of applications both in the traditional classroom setting and in work/job related experiences. The class will be an individualized, arranged course, with learning outcomes determined by the instructor in consultation with the student. May be repeated up to 4 hours credit. Approval required by Program Coordinator only.

FOSM 2200 Introduction to Foods. 3 hrs.

This course is a study in the selection, storage, preparation, and presentation of food. Students will investigate each of the following categories of food and apply knowledge gained to practical applications in the lab setting: Milk & Dairy Products; Meat, Poultry & Shellfish; Fruits & Vegetables; Grains & Starches; Breads; Desserts; & Beverages. Emphasis will be placed on ensuring food safety, nutrient value, and quality in taste and appearance. Students will have the option to take the ServSafe Certification exam offered through the National Restaurant Association at the end of this course.

FOSM 2202 Principles of Quantity Food Production. 3 hrs.

Principles and techniques of quantity food preparation will be covered. Emphasis will be given to menu planning, use of standardized recipes, and quantity food production techniques. PR: FOSM 2201. To be taken concurrently with FOSM 2204.

FOSM 2203 Principles of Food Selection & Preparation Lab. 1 hr.

Students will apply basic principles of food selection and preparation in a controlled lab setting. Labs will include application of basic food science and food evaluation techniques. CR: FOSM 1110/PR or CR: FOSM 1121, 1122.

FOSM 2204 Principles of Quantity Food Production Lab. 1 hr.

Students will apply principles and methods of quantity food production using institutional equipment and evaluate food with consideration given to quality control and cost control. PR: To be taken concurrently with FOSM 2202.

FOSM 2209 Food Specialties-Garde Manger II. 3 hrs.

This course is the advanced garde mange techniques including aspic pates, sauces, terrines, and garnishes. The manipulation of special tools used in this type of food preparation is stressed. Buffet table arrangement, food display, and organization are studied. PR: FOSM 2203.

FOSM 2220 Diet Therapy. 3 hrs.

This course discusses the nutritional needs of different age groups, the special nutritional requirements in various diseases and the planning of menus to meet these various nutritional needs. PR: FOSM 1110.

FOSM 2224 Purchasing and Receiving. 3 hrs.

Includes factors to consider in selecting, purchasing, receiving, and storing various foods. Emphasis is given to the development of purchasing policies, procedures, inventory control and storage. Computer application is included in the course. PR: FOSM 1140.

FOSM 2225 Resort & Hotel Management. 3 hrs.

Students will study four primary areas of the resort and hotel lodging businesses; service and guest services, housekeeping, catering and banquets, and front desk operations. Students will focus on the revenue and cost centers associated with hotel industry. Emphasis will also be placed on management of rooms, food and beverage, marketing, engineering, accounting, human resources, and security.

FOSM 2227 Food and Beverage Merchandising. 3 hrs.

This course discusses catering for different types of social functions, dining room arrangement, and service to gain customer satisfaction. It also deals with purchase specifications, management and quality as applied to tableware, furnishing, equipment, and supplies. PR: FOSM 2224.

FOSM 2228 Food Service Organization and Management. 3 hrs.

The students will analyze the organization and management of various types of food service programs. Special emphasis is placed on personnel, operating systems, budgeting, purchasing, work schedules, and supervision. PR: FOSM 1140.

FOSM 2229 Food Service Practicum. 9 hrs.

A supervised work experience conducted in an assigned food service operation. Course may be repeated for up to 15 hours of credit based on emphasis area.

FOSM 2230 Advanced Baking. 3 hrs.

Students will develop skills in advanced baking techniques, bread making, pastries, and cake decorating. The class will also include information on the corollary business aspects, such as calculating size and determining costs. PR: FOSM 1130 Basic Baking

FOSM 2232 Pastry & Confections. 3 hrs.

Students will develop skills in advanced decorating techniques and more complex preparations of pastry, confections, and dessert products. Students will also be introduced to candy, pastillage, sugar, and chocolate work. PR: FOSM 1130 Basic Baking

FOSM 2250 Applications in Community & Medical Nutrition. 3 hrs.

This course will provide students with methods and practices necessary to access nutritional needs in client-oriented dietetic systems and community-oriented nutrition programs. Students will apply nutrition knowledge to the following: patient education, screening for nutritional risk, determining nutrient requirements across the lifespan, translating nutritional needs into food and menu choices, calculating body composition, calculating diets for specific health conditions, calculating basic enteral and parenteral nutrition formulas. PR: FOSM 2220.

FOSM 2260 Seminar in Dietary Management. 2 hrs.

This course will focus on the dietary management profession by looking at legal issues, professionalism, certification and licensing, preparation of resume, etc. PR: To be taken in conjunction with FOSM 2229 for dietary managers only. FOSM majors only.

GEOGRAPHY

(School of Social Science)

GEOG 1199 Special Topics in Geography. 1/12 hrs.

Studies in special selected topics. The topic to be studied will be determined by the instructor and approved by the School's chairman. Credits earned will be applicable as free electives in degree and certificate programs.

GEOG 2210 Introduction to Geography. 3 hrs.

An introduction to the physical and cultural elements of geography with a study of major geographical regions of the world.

GRAPHICS TECHNOLOGY

(School of Business, Aviation & Technology)

GRAP 1100 Graphic Communications Processes. 3 hrs.

This course is an introduction to the graphic arts and deals with the basic methods of placing visual elements on receiver materials. An investigation is made of relief, intaglio, planographic, porous, and electrostatic methods of printing. Continuous tone photography, basic bindery operations, and introductory microcomputer operation also are experienced. Course activities include the use of introductory word processing and basic painting and drawing software.

GRAP 1125 Multimedia Concepts. 3 hrs.

Basic techniques of computer presentation and multimedia will be covered. Students will use introductory software for the creation of digital animation, motion, and multimedia. Activities include exercises using Microsoft PowerPoint, Apple QuickTime, and still and motion digital video capturing.

GRAP 1150 Computer Applications to Graphics. 3 hrs.

This course is an assessment of the impact of "Intelligent Electronics" on the graphics industry and the development of computer applications to the solution of graphic related situations. With an emphasis on the Apple Macintosh, there is a thorough coverage of microcomputer fundamentals, operating systems, and computer programs including the spreadsheet, database, and various types of graphic software. The student becomes involved in both theoretical and hands-on experiences.

GRAP 1199 Special Topics in Graphic Communications. 1/4 hrs.

This course will provide an opportunity for students to further their study of principles and concepts in Graphic Communications and to apply their knowledge in a variety of applications both in the traditional classroom setting and in work/job related experiences. The class will be an individualized, arranged course, with learning outcomes determined by the instructor in consultation with the student. May be repeated up to 4 hours credit.

GRAP 2200 Introduction to Desktop Publishing. 3 hrs.

This course presents the basics in the make-up of copy with an emphasis on composition and typography. Students will produce tangible photo ready art and introductory electronic prepress images using the Apple Macintosh. Single and multiple color paste-up techniques, forms layout, cropping and scaling of photographs, and media conversion are among the activities that will be beneficial in upper level graphics classes as well as future employment endeavors. CR: GRAP 1150.

GRAP 2210 Graphics - Methods and Materials. 3 hrs.

This intermediate course further explores the tools, materials, and processes used in both the traditional and current digital methods of converting camera ready images to print. Introductory process camera, film assembly, press operation, and bindery will be investigated. Both theoretical knowledge and hands-on experience in the use of printing equipment will be employed. PR: GRAP 1100.

GRAP 2225 Basic Photography. 3 hrs.

A beginning course in the utilization of the hand-held camera. The emphasis is placed on both the taking of pictures and the processing of black and white film. Topics covered include film and film processing, camera basics, camera formats, lens types, portrait photography, and photographic ethics.

GRAP 2230 Layout and Design I. 3 hrs.

Printed materials will be analyzed in terms of design, effective use of type, and color. Knowledge of art specification and preparation for reproduction will be acquired. Time is given to the design and production of original work. PR: GRAP 2200.

GRAP 2235 Layout and Design II. 3 hrs.

A continuation of GRAP 2230. The student continues work on thumbnail, rough and comprehensive layouts for presentation to the customer. PR: GRAP 2230.

GRAP 2245 Digital Photography. 3 hrs.

This course is designed to develop skills in pixel based photographic design and printing, as well as, to enhance basic photography skills primarily in film-less applications. Digital photography will be explored as it replaces traditional printers, inks, and papers, and darkroom applications will be made simpler and more powerful in the digital realm. This course will use advanced photography skills including creative portraiture as well as commercial and industrial techniques. PR: GRAP 2225

GRAP 2250 Graphics Practicum. 4 hrs.

Supervised on-the-job learning/work experience with a cooperating business or college in-house graphics production area. Students will gain experience in graphics related specialties of the selected practicum training center. PR GRAP 2210.

GRAP 2255 Internet Animation. 3 hrs.

Basic techniques of computer animation and presentation and use of storyboards will be covered. Students will use advanced animation software for creation of digital animation, motion, and multimedia. Laws of motion and image formation will be studied. PR: GRAP 1125

GRAP 2255 Advanced Image Transfer. 3 hrs.

This course is a continuation of the press related portion of GRAP 2210 and is a self-paced course. More advanced set-up, single and multicolor operation, troubleshooting, basic press maintenance, film assembly, and safety considerations are included. Students will complete several multicolor projects during the course. PR: GRAP 2210

GRAP 2265 Estimating and Cost Analysis. 3 hrs.

Production planning, scheduling, materials purchasing, and personnel management in print production operations are investigated. Accurate, orderly systems including computer solutions are used to estimate costs, material, equipment, and labor.

GRAP 2275 Production (Offset/Screen Printing). 3 hrs.

This self-paced course provides practical experience in the production of department or Schools' newsletters and other offset and screen printed graphic products.

GRAP 2280 Electronic Publishing. 3 hrs.

This course is a continuation of GRAP 2200 specifically oriented toward the production of computer based publishing using Apple Macintosh. Students will gain experience in more advanced electronic composition and pagination. PR: GRAP 2200.

GRAP 2285 Electronic Art. 3 hrs.

Students will use illustration software for the creation of high resolution commercial quality course projects. Students will use microcomputer workstations, flatbed scanners, electronic cameras, and image processing software for retouching, manipulating, and enhancing images. PR: GRAP 1125 and GRAP 2245

GRAP 2290 Electronic Art and Computer Imaging. 3 hrs.

Students will use illustration and painting software for the creation of high resolution commercial quality course projects. Students will use microcomputer workstations, flatbed scanners, electronic cameras, and image processing software for retouching, manipulating, and enhancing images. PR: GRAP 1150.

GRAP 2299 Special Topics in Graphic Communications.1 to 4 hrs.

This course will provide an opportunity for students to further their study of principles and concepts in Graphic Communications and to apply their knowledge in a variety of applications both in the traditional classroom setting and in work/job related experiences. The class will be an individualized, arranged course, with learning outcomes determined by the instructor in consultation with the student. May be repeated up to 4 hours credit.

HEALTH CAREERS

(School of Health and Human Services)

HLCA 1100 Medical Terminology. 3 hrs.

This course is a study of the structure of medical words and terms. Emphasis is placed on spelling and defining commonly used prefixes, suffixes, root words, and their combining forms. Anatomy and physiology terms as they relate to the root words, combining forms, prefixes, and suffixes are stressed. Terminology and medical abbreviations relating to several allied health occupations acquaints students with an overview of the medical language. This course is offered as an online course as well as the traditional classroom.

HLCA 1101 Introduction to Health Careers Programs. 1 hr.

This course is designed introduce students to the health careers degree and certificate programs offered at FSC&TC. A case study approach will be used to examine various fields in health careers. This course will cover requirements and prerequisites, necessary skills and qualities for successful program completion, and provide individualized exposure to selected occupations. This course is offered on a credit/non-credit basis and can be used as an elective.

HLCA 1102 Pathophysiology of Diseases. 3 hrs.

Study of the disease process, terminology and association with the body structure. PR: HCLA 1100 and BIOL 1170

HLCA 1105 Phlebotomy Theory. 1 hr

The course is designed to provide the student with an understanding of professionalism, credentialing, the importance of consent and confidentiality, safety issues, infection control and the overall structure of a typical hospital. Students will learn basic techniques of venipuncture and capillary puncture through lecture videos, class activities and demonstration. PR: Permission of instructor.

HLCA 2205 Phlebotomy Practicum. 1 hr.

This course is designed to provide the student with practical experience in blood drawing techniques. Students will spend about 6 to 8 hours in student laboratories practicing phlebotomy techniques on model arms and on volunteers prior to being placed in clinical facilities. Students will be expected to obtain 100 venipunctures and 10 capillary sticks and must schedule sufficient time to accomplish this at the clinical facility. Hours at clinical facilities will vary throughout the day. PR: HLCA 1105.

HEALTH EDUCATION

(School of Education/Health and Human Performance)

HLTA 1100 Personal Health. 2 hrs.

The meaning and significance of the physical, mental, social and environmental factors of health and safety as related to the individual and to society are studied. Important phases of national problems, emphasis on college students and their current needs are emphasized.

HLTA 1150 Introduction to Health. 3 hrs.

This course is an in-depth study of the several content areas relating to health; contemporary health problems and reciprocal relationships involving man, disease and the environment. The significance of the physical, mental, social, and environmental factors of health and safety as related to the individual and to society are studied.

HEALTH INFORMATION TECHNOLOGY

(School of Health & Human Services)

HLIN 1100 Fundamentals of Health Information. 4 hrs.

This course serves as an introduction to the function and duties of health information professional. The national and state professional organizations and orientation to the study of the basic health record in all health care settings will be covered. The student will be introduced to hospital and governmental structure and medical staff organization. Majors Only

HLIN 1101 Fundamentals of Health Information Lab. 1 hr.

This laboratory course serves to enhance the didactics that are covered in the lecture for Fundamentals of Health Information. The Health Information Technology student will be expected to complete a series of hands-on projects that are compatible with the information from the classroom. Majors Only

HLIN 1102 Health Information Community Service. 1 hr.

This course is an introduction to the Health Information profession through community service. Each student is expected to complete thirty (30) hours of volunteer work in a health information environment. Placement will depend on the needs of the facilities at the time. The HIT student may take this course the first or second eight weeks in the semester. Majors Only

HLIN 1105 Computers in Health Care. 3 hrs.

This course will introduce the Health Information Technology student to computers in the health care arena. PR: Admission to the program or permission of program coordinator. Spring Semester.

HLIN 1109 Health Care Statistics. 3 hrs.

Hospital statistics is a course in which the methods of computing statistics of health care institutions and storage areas for this material will be discussed. Basic statistics applicable in health care institutions will be introduced. The course will include the study of vital and public health statistics, review of simple arithmetic principles as warranted, in depth study of hospital statistics; sources, definitions, collection, reporting, presentation and analysis of data, sources and uses of health data in the United States. Applicable statistical software will be utilized. PR: Admission to the program or permission of program coordinator. Spring Semester.

HLIN 1110 Legal and Ethical Aspects of Health Information. 3 hrs.

This course is designed to instruct the student in the basic legal principles, release of confidential health information, court procedures

and conduct, and association with legal authorities. HIPAA rules and regulations will be discussed. Legal and ethical issues of the profession will be covered as well as ethical issues in the health care field. PR: Admission to the program or permission of program coordinator. Fall Semester.

HLIN 1115 Alternate Care Settings. 2 hrs.

Alternative Care Settings will expose the HIT student to a variety of non-traditional settings for health information management. The students will be expected to rotate through various types of settings (ie, psychiatric facility, rehabilitation hospital, nursing home, home health agency, hospice, prison system, health clinic and a physicians' office or clinic.) Placement depends on the availability of a particular facility. The student will be required to be at the clinical affiliate a total of 60 hours. This course will be offered during the first summer session. PR: Admission to the program or permission of program coordinator.

HLIN 2200 Interpretation of Diagnostic Data. 3 hrs.

This course is designed to introduce the health information specialist to the relationship between diseases, laboratory tests and drugs within the health record. This knowledge base will be useful in optimizing reimbursement. PR: Admission to the program or permission of program coordinator. Fall Semester.

HLIN 2202 Reimbursement Systems. 2 hrs.

This course will examine reimbursement methodologies for various health care entities. Students will learn how to compare claims submitted to third party payers with actual reimbursement received. PR: Admission to the program or permission of program coordinator. Spring Semester.

HLIN 2203 Quality Assessment/ Utilization Review. 3 hrs.

This course is designed to provide the student with the theoretical knowledge and technical skills relative to the operation of a quality assessment and utilization management program within a health care facility. The influence of government regulations and accrediting agency standards will be introduced. PR: Admission to the program or permission of program coordinator. Fall Semester.

HLIN 2205 Classification Systems I - ICD. 5 hrs.

This course is designed to emphasize the history and development of disease classifications. The student will spend time learning the procedures of various systems. Application of the current classification system will be emphasized. Prepared software will be used to enhance the understanding of the current classification system. Financial implications of the classification system will be discussed. Four hour lecture, two hours laboratory per week. PR: Admission to the program or permission of program coordinator. Fall Semester.

HLIN 2206 Clinical Practicum I. 4 hrs.

Students in this course will analyze, number, file, retrieve, transcribe, and prepare statistical reports. The student will be working with coding and abstracting of disease/procedure entities. This clinical practicum will take place in a health care facility. Students will be expected to be at a clinical site 120 hours. PR: Admission to the program or permission of program coordinator.

HLIN 2207 Health Information Supervision. 3 hrs.

This course is designed to introduce management functions required to direct a health information department. This will include procedure development, job descriptions, research for a proposal, department layout as well as other areas of management. Current standards of health care are presented; JCAHO and State Licensure. PR: Admission to the program or permission of program coordinator. Spring Semester.

HLIN 2208 Clinical Practicum II. 4 hrs.

This is a four credit, three consecutive week course requiring 40 hours of clinical practicum per week. Students will be expected to be at a clinical site 120 hours. The student will be provided opportunity

to practice all skills acquired thus far in the two-year program. PR: Admission to the program or permission of program coordinator.

HLIN 2209 Classification Systems II - CPT. 5 hrs.

This course is designed to introduce the student to the current use of CPT-Coding classification. Various situations for this use will be utilized including: physician's office, outpatient, and ambulatory care settings. PR: Admission to the program or permission of program coordinator. Spring Semester.

HLIN 2210 Health Information Technology Capstone. 2 hrs.

This course is designed to incorporate all HIT program coursework into an integrated course. The student's didactic knowledge will be blended with their clinical experiences. Guest lecturers, field trips, computer and CD assignments will be used as a teaching tool. This course will also focus on the health information profession by looking at legal issues, professionalism, certification, preparation of a resume, etc. Majors Only

HISTORY

(School of Academic Studies)

HIST 1107 United States History I. 3 hrs.

Examines the main outlines of American history from pre-Columbian native American cultures to the end of the Civil War with emphasis on the Colonial, Revolutionary, Early Republic, and Civil War eras.

HIST 1108 United States History II. 3 hrs.

Examines the main outlines of American history from Reconstruction to the present with emphasis on the political, social, cultural, economic, and diplomatic forces that contribute to America's emergence as the world's leading industrial democracy.

HIST 2211 World Civilizations I. 3 hrs.

An intermediate-level survey of worldwide historical developments, emphasizing major civilizations from pre-historic times through classical ancient empires to the early Middle Ages. Recommended for sophomores and well-prepared freshmen.

HIST 2212 World Civilizations II. 3 hrs.

An intermediate-level survey of worldwide historical developments, emphasizing major civilizations from the Middle Ages to the social, political, and industrial revolutions of the eighteenth century. Recommended for sophomores and well-prepared freshmen.

HIST 2213 World Civilizations III . 3 hrs.

An intermediate-level survey of worldwide historical developments from the French Revolution of 1789 to the present era, emphasizing major civilizations and the modern growth of global interdependence. Recommended for sophomores and well-prepared freshman.

HUMAN SERVICES

(School of Health & Human Services)

HUSV 1100 Freshman Seminar. 3 hr.

This course is designed to acquaint entering freshmen with various academic, economic, and social aspects of college life and to teach students the skills necessary to succeed in college. In addition, this course would focus on building genuine relationships with people on campus by providing opportunities to engage in various college activities and to work with a Freshman Seminar facilitator, peer leaders and mentors.

HUSV 1103 Community Service Learning. 1 hr.

Community Service Learning provides opportunities for students to perform meaningful service to the community while engaging in

conscious reflection and critical analysis activities which meet service learning objectives. The course is based upon an experiential learning format which includes the college, the student, and the community. Students may complete a maximum of 3 credit hours of service learning toward graduation requirements.

HUSV 1199 Special Topics in Human Services. 1/12 hr.

Students in special selected topics. The topic to be studied will be determined by the instructor and approved by the School's chairman. Credits earned will be applicable as free electives in degree and certificate programs.

INFORMATION SYSTEMS

(School of Business, Aviation & Technology)

INFO 1100 Computer Concepts and Applications. 3 hrs.

This course will provide students with a survey of the fundamental computing concepts and applications to provide a useful foundation upon which the students can develop skills necessary to become effective users of information systems. The primary focus of this course will be on productivity software applications, which will include word processing, spreadsheet, database, the Internet, and presentation software.

INFO 2200 Fundamentals of Information Systems. 3 hrs.

The course is an introduction to basic business information systems including networking, systems analysis and design. PR: INFO 1100.

INFO 2205 Information Technology-Hardware and Operating Systems. 3 hrs.

This course provides the hardware and operating system concepts necessary for system design. System architecture and operating systems are considered for single and multiple user computer systems. PR: INFO 1100.

INFO 2206 Advanced Hardware and Operating Systems. 3 hrs.

This course is a continuation of INFO 2205, Information Technology - Hardware and Operating Systems. The course content covers advanced hardware and operating system troubleshooting as well as computer configuration. PR: INFO 2205

INFO 2220 Spreadsheet Design. 3 hrs.

This course is designed to introduce spreadsheet modeling and design. Through hands-on computer work, the student will become familiar with a spreadsheet application package. The course will stress good design techniques as well as spreadsheet techniques and model building. PR: INFO 1100 and Accounting 2201.

INFO 2225 Fundamentals of Web Design. 3 hrs.

Introduction to Web Design course focusing on the overall web site production processes with particular emphasis on design elements involving layout, navigation, and interactivity. PR: INFO 1100.

INFO 2235 Microcomputer Applications in Business. 3 hrs.

This course will provide students the opportunity to develop and use basic decision support systems. A problem solving approach is used to introduce students to the modern business decision making process. The emphasis is on making business decisions by using and customizing off-the-shelf software. PR: INFO 1100.

INFO 2242 Professional Internship and Portfolio Development. 3 hrs.

The purpose of this course is to allow students to bring business topics into focus by using all their collected business knowledge. This will be accomplished through completion of a portfolio that will

demonstrate to prospective employers the student's career preparation. The student will also be required to complete a professional internship in the work place. The importance of career and goal planning will be emphasized. A total of 140 hours of supervised work will be required.

INFO 2250 Networking Fundamentals. 3 hrs.

This course provides an in-depth knowledge of data communications and networking requirements including networking and telecommunications technologies, hardware, and software. The analysis and design of networking applications in organizations are emphasized. Management of telecommunications networks and evaluation of connectivity options are also covered. Students learn to evaluate, select, and implement different communication options within an organization. The course consists of two hours lecture and two hours lab per week. PR: INFO 1100.

INFO 2251 Router Theory and Router Technologies. 3 hrs.

This course examines the theory and technology of routers including router programming, configuration, and protocols. The course consists of two hours lecture and two hours lab per week. PR: INFO 2250.

INFO 2252 Advanced Routing and Switching. 3 hrs.

This course covers advanced routing and switching concepts. It is a continuation of INFO 2251. The course consists of two hours lecture and two hours lab per week. PR: 2251.

INFO 2253 Project Based Learning. 3 hrs.

This course covers advanced Wide Area Network technologies. It is a continuation of INFO 2252. The course consists of two hours lecture and two hours of lab per week. PR: 2252

INFO 2255 Fundamentals of UNIX. 3 hrs.

Fundamentals of UNIX sponsored by Sun Microsystems teaches students how to use UNIX operating system commands and, in the hands-on-exercises, basic Sun Microsystems' Solaris™ operating environment commands, and introduces students to the common Desktop Environment (CDE - graphical interface between different environments). The class is intended for new users of UNIX. Students will learn fundamental command-line features of the Solaris environment including file system navigation, file permissions, the vi text editor, command shells and basic network use. CDE features include Standard Desktop Tools, Text Editor, printing and mail. PR: INFO 2250.

INTERPRETER TRAINING PROGRAM

(School of Academic Studies)

ITTP 2200 American Sign Language V. 3 hrs.

The primary emphasis of the materials is on language in context, featuring key vocabulary and expressions. Information coordinates with interactive video activities to check comprehension, review signs, and focus on specific grammar features. PR: AMSL 1114. Majors only.

ITTP 2201 Sign-to-Voice Interpreting I. 3 hrs.

Introduction to the profession of interpreting including review of ethical role, job opportunities using all the "tools of the trade." Videotapes are used to identify the various modes of voice interpreting. Extensive practice sessions will be videotaped and analyzed for improvement. Concentration is placed on the listening process and strategies will be discussed for sentence flow. Major only.

ITTP 2202 Voice-to-Sign Interpreting I. 3 hrs.

Exercises will be introduced with the use of examples following the progression from signing to interpreting. Signs learned will be applied in the interpreting setting. Lab activities will be included during class session. Majors only.

ITTP 2203 Simultaneous Interpreting I. 3 hrs.

Students will practice consecutive interpreting into American Sign Language and English focusing on short-term memory and longer

consecutive passages into one target language at a time. Note-taking will be gradually introduced. Topics will include hospitality, social welfare, and housing, education, paralegal and medical. Majors only.

ITTP 2204 American Sign Language VI. 3 hrs.

This course continues with the material on language in context featuring key vocabulary and expression. Information coordinates with interactive video activities to check comprehension, review signs, and focus on specific grammar features. PR: ITTP 2200. Majors only.

ITTP 2205 Sign-to-Voice Interpreting II. 3 hrs.

This course incorporates intermediate voice interpreting skills which students will utilize with increased fluency in expressive interpreting. Students must demonstrate all sign vocabularies and be able to fingerspell clearly. Lab activities will be during class session. PR: ITTP 2201. Majors only.

ITTP 2206 Voice-to-Sign Interpreting II. 3 hrs.

This course used signs from ITTP 2202 and practice from tapes. Deaf guests will be used as a way of voicing at different skill levels. Idioms will be discussed as to strategy for interpretation and students will learn how to arrive at decisions for translation choice. Lab activities will be during class session. PR ITTP 2202. Majors only.

ITTP 2207 Simultaneous Interpreting II. 3 hrs.

Student will practice dialogue interpreting of longer segments (up to 65 words) and longer consecutive passages (3-5 minutes). Short-term memory and note taking techniques will be developed and consolidated. Topics will involve legal issues (police and courtroom) and those of international relevance, common in negotiations and round-table talks (e.g., official speeches, political, tourism and hospitality, business, scientific, technology). PR: ITTP 2203. Majors only.

ITTP 2208 Legal & Ethical Aspects of Interpreting. 3 hrs.

Students will learn how to work in business settings to negotiate the elements basic to the interpretation process. Discussion will emphasize the need for understanding the code of ethics and making ethical decisions. Students will prepare for the National Interpreters Certificate (NIC) exam. Majors only.

ITTP 2209 Interpreting as Private Practice. 1 hr.

Hours will be spent in the field during the week to follow class discussion of events. Class discussion will include ethical issues, team interpreting, room setup, understanding the speaker, and other elements related to the interpretation experience. Internship students will have to apply to agencies one semester before internship. Students will spend a minimum of 30 hours during the semester to fulfill the obligation of this practicum. PR: ITTP 2201.

INTERDISCIPLINARY STUDIES

(School of Academic Studies)

INTR 1100 Race, Class, and Gender. 3 hrs.

An introductory multicultural course which explores race, class, gender, ethnicity and the dynamics of their interrelationships in American society. Themes include personal identity, power, and change. Interdisciplinary approaches of the humanities and the social sciences include historic, psychological, sociological, economic, educational, and artistic.

INTR 2250 Interdisciplinary Practicum. 3 hrs.

This course will provide opportunities to observe and interact in appropriate work environments at specific sites in each of the core disciplines: Aviation, Criminal Justice, EMS, and Safety. Sites to be included will be chosen by the program coordinators of the various disciplines, and may vary from time to time. PR: Major in Homeland Security. Required core class for the Homeland Security Degree Program.

INTR 2280 Empowering Leadership. 3 hrs.

The purpose of this course is to help prepare students to assume increasingly responsible leadership roles of empowerment in their personal, professional, and academic lives. This interdisciplinary, student-centered course focuses not only on significant theories of empowering leadership and their applicability to leaders of the past and present, but also includes substantial hands-on, experiential learning opportunities in which students practice empowering leadership. The course is also a General Studies elective.

INTR 2281 Great Ideas of Leaders. 3 hrs.

This interdisciplinary humanities course explores some of the most significant ideas of leaders and some of the ultimate human questions through history. Topics include the intersection of leadership with the heroic myth, the nature of government, justice, wealth, culture, the mind, poetics, ethics, good and evil, power and authority, concepts of nature, issues of faith, and values-based leadership. PR: INTR 2280.

LABORATORY ASSISTANT

(School of Health and Human Services)

LABA 1106 Basic Lab Skills. 2 hrs.

This is a lecture course in the theory of basic laboratory skills and concepts and safety techniques. The course is designed to provide the student with entry level knowledge needed to pursue a career path as a laboratory assistant in a research or health care facility, including medical, college and industrial setting. Must have successfully completed or be currently enrolled in LABA 1107. Two hours lecture per week

LABA 1107 Basic Lab Skills. 1 hr.

The course is designed to provide the student with entry level skills needed to pursue a career path as a laboratory assistant. The course is intended to assist the student with mastering lab skills needed in a research or health care facility, including hospital, college, and industrial settings. Must have successfully completed or be currently enrolled in LABA 1106. . 3 hrs. of laboratory per week.

LABA 2206 Advanced Lab Skills Theory. 3 hrs.

This course is designed to provide the student with knowledge in advanced laboratory skills in preparation for employment or further education. Ethical considerations of patient and client information and customer service will be explored. Patient specimen collection and processing, as well as coding and reporting of results and quality assurance and quality control of work completed will be stressed. Must have successfully completed or be currently enrolled in LABA 2207, 3 hrs. lecture per week. PR: Successful completion of LABA 1106 and 1107.

LABA 2207 Advanced Lab Skills . 1 hr.

This course is designed to provide the student with advanced laboratory experience and training in preparation for employment or further education. Ethical considerations of patient and client information and customer service will be explored. Patient specimen collection and processing, as well as coding and reporting of results and quality assurance and quality control of work completed will be stressed. 3 hrs. of laboratory per week. PR: LABA 2206.

MANAGEMENT

(School of Business)

MGMT 2209 Principles of Management. 3 hrs.

The emphasis in the course is on the modern approach to the field of management. The theoretical and practical approaches are presented along with analytical techniques that are applicable in the various management and production areas.

MGMT 2214 Office Management. 3 hrs.

Office management is the study of principles as applied to job analysis, production measurement, paper-flow analysis, office design, work allocation and scheduling, construction and use of procedures manuals, forms design, criteria for equipment acquisition, staffing, supervising and motivating employees, labor-management relations, employee benefits, and information distribution and retrieval technologies.

MARKETING

(School of Business)

MGMT 2204 Principles of Marketing. 3 hrs.

A study of those business activities that direct the flow of goods and services from producers to consumers.

MGMT 2205 Salesmanship and Sales Management. 3 hrs.

This course is a study of techniques appropriate to personal selling and managing sales people, both retail and contact. Students are given opportunities to construct and give presentations. PR: MGMT 2204.

MATHEMATICS

(School of Academic Studies)

MATH 0093 General Math. 3 hrs.
*(See Academic Development Center)***Math 0094 Pre-Algebra. 3 hrs.**
*(See Academic Development Center)***MATH 0095 Introductory Algebra. 3 hrs.**
*(See Academic Development Center)***MATH 1101 Applied Technical Mathematics I. 3 hrs.**

This course is an introduction of fundamental mechanics and techniques for performing operations with algebraic expressions and subsequently solving linear equations, systems of linear equations, and quadratic equations. This course also introduces trigonometric functions and is designed to develop methods of solving right angles and oblique triangles using trigonometry. This course cannot be used to satisfy the general studies math requirement. PR: Math ACT 19 or higher or Math SAT 460 or higher or Math 0095 or Compass 36.

MATH 1102 Applied Technical Mathematics II. 3 hrs.

This course is a continuation of MATH 1101. Topics covered include solving radical equations and polynomial equations, complex numbers, exponential and logarithmic functions, inequalities, and trigonometry. Grade (MATH 1101 "C" or higher).

MATH 1107 Fundamental Concepts of Mathematics. 3 hrs.

This course is an introductory survey course for liberal arts majors. It is designed to strengthen computational skills, mathematical reasoning, problem-solving skills, and mathematical reading/communication skills while focusing on real-world problems. The mathematical topics may include critical thinking skills, sequences, set theory, probability, statistics, consumer mathematics, and the metric system. It cannot be substituted for MATH 1110. PR: Math ACT greater or equal 19 or Math SAT greater or equal 460 or Compass greater or equal 36 or MATH 0095, Elementary Algebra.

MATH 1110 Mathematics for Elementary Teachers I. 3 hrs.

An introductory course in mathematical ideas, this course includes basic concepts of set theory, properties of operations and a logical development of the real number system and its subsystems. Understanding of the basic operations is stressed. This course cannot be used as math credit toward certification for teaching mathematics.

Credit for this course does not count for the general studies requirement in science and mathematics. PR: Math ACT 19 or higher or Math SAT 460 or higher or Math 0095 or Compass 36.

***MATH 1111 Intermediate Algebra. 3 hrs.**

This is a course in techniques for performing operations on polynomial, exponential, and rational expressions and subsequently solving linear and quadratic equations and inequalities. Equations and inequalities using absolute value and function notation are covered. Graphs of linear and of quadratic functions and systems of linear equations are also covered. This course cannot be used toward mathematics certification for teaching mathematics or for the general studies requirement in mathematics. PR: ACT Math score of 19 or SAT Math 460 or more; OR Math 0095 or Compass 36 or more.

**MATH 1111 may become MATH 1100 pending approval of the Curriculum Committees of the Faculty Senate and the Faculty Assembly*

MATH 1112 College Algebra. 3 hrs.

This course includes a review of real numbers, algebraic expressions, equations and inequalities, graphing, matrix operations and properties, systems of equations, exponents and radicals, mathematical induction, binomial expansion, progressions, and related topics. PR: Math ACT of 21 or higher or Math SAT of 500 or higher or Compass of 49 or higher or MATH 1111.

MATH 1113 Applied Statistics. 4 hrs.

This course is an introduction to statistics with appropriate applications. Major topics covered are descriptive statistics, introduction to probability, binomial distribution, normal distribution, sampling and estimation, hypothesis testing, and regression and correlation. A problem solving approach and modern software will be used to study the normal, t, chi-square and F distributions. The course consists of .3 hrs. lecture and one one-hour laboratory per week. PR: Math ACT of 21 or higher or Math SAT of 500 or higher or Compass of 49 or higher or MATH 1102 or MATH 1112.

MECHANICAL

(SEE FAIRMONT STATE UNIVERSITY CATALOG)

MEDICAL LABORATORY TECHNOLOGY

(School of Health & Human Services)

MLAB 1103 Clinical Serology. 2 hrs.

This course is designed to include basic immunology principles, theory and diseases related to antigen and antibody reactions and techniques. Laboratory methodology including serial dilutions will be performed. MLT majors have registration priority for this class. One hour lecture, two hours lab per week. Fall. Permission of Instructor. MLT Majors only.

MLAB 1104 Urinalysis and Body Fluids. 2 hrs.

Through a combination of lecture and laboratory experience, students will study the theory and techniques of analyzing urine and body fluids, including the clinical significance of these analyses. One hour lecture and two hours lab per week. PR: HLCA1102 and BIOL 1170. Spring. MLT Majors only.

MLAB 1105 Laboratory Mathematics and Instrumentation. 3 hrs.

This course is designed to familiarize students enrolled in Medical Laboratory Technology with practical aspects of the Clinical Laboratory. Through a combination of lecture and laboratory experience, students will be exposed to laboratory calculations, quality assurance, safety, manual and automated instrumentation, including sample analysis, patient and quality control validation, and patient and quality control charting. Two hours lecture, two hours lab per week PR: HLCA 1102 and acceptance into the MLT program. Spring. MLT Majors only.

MLAB 1160 Clinical Microbiology I. 4 hrs.

This course is an introduction to the study of medically important bacteria and parasites. The biochemistry, genetics, and physiology of bacteria will be discussed as well as methods of cultivation, isolation, and identification of these organisms. Life cycles of parasites and methods of identification will be studied. PR: BIOL 1170 and HLCA 1102. Two hours lecture and four hours lab per week. Spring. MLT Majors only.

MLAB 1180 Immunohematology. 4 hrs.

This course is designed to incorporate theory, principles, applications and reactions of antigens and antibodies associated with the red blood cell. Blood typing, blood donation, transfusion reactions, genetics, hemolytic disease and quality control will be covered utilizing laboratory methodologies, case studies, and computer tutorials. . 3 hrs. lecture and . 3 hrs. of laboratory per week. PR: MLAB 1103. Spring. MLT Majors only.

MLAB 2218 Hematology. 4 hrs.

This course is designed to provide the student with an understanding of the theory and principles in normal blood cell production, blood dyscrasias, and coagulation. Applications and techniques of measurement used in performing the complete blood count, coagulation studies, and special hematological procedures will be used in the laboratory. Nine hours lecture and nine hours laboratory per week. PR: HLCA 1102. Summer I. MLT Majors only.

MLAB 2219 Clinical Microbiology II. 4 hrs.

This course is a study of bacterial, fungal, and viral disease agents which includes the clinical laboratory methods of cultivation, isolation, and identification of bacteria and fungi. Three hours lecture and three hours lab per week. PR: CHEM 1102 or 1106 and MLAB 1160. Fall. Majors only.

MLAB 2220 Clinical Biochemistry. 4 hrs.

This course is designed to address principles, procedures and disease states relating to the field of clinical chemistry. Abnormal laboratory results will be correlated to disease states using case studies. Laboratory safety, instrumentation, computer and laboratory information system use, and quality assurance will be stressed. Three hours lecture, three hours lab per week. PR: MLAB 1105, CHEM 1102 Fall. MLT Majors only.

MLAB 2221 Clinical Practicum I. 4 hrs.

This course is designed to orient the students to the Clinical Laboratory. Students will be assigned to a major area of the laboratory (chemistry, hematology, immunohematology, or microbiology). Laboratory safety, specimen collection including phlebotomy, specimen processing and analysis, data acquisition, quality assurance and sample validation, instrument troubleshooting, sample reporting including calculations, charting and clinical correlation will be included. Clinical serology and urinalysis/body fluid techniques and objectives will be completed in the appropriate major department. 154 hours laboratory. MLT Majors only.

MLAB 2222 Clinical Practicum II. 4 hrs.

This course is a continuation of MLAB 2221. Students will be assigned to a second major area of the laboratory. Additional skills and increased competency levels in specimen processing and sample analysis, data acquisition, quality assurance and reporting will be included. Interpersonal relationships and basic techniques involving the major area of study will be emphasized. PR: MLAB 2221. 154 hours laboratory. MLT Majors only.

MLAB 2223 Clinical Practicum III . 4 hrs.

This course is a continuation of MLAB 2222. Students will be assigned to a third major area of the laboratory. Additional skills and increased competency levels in specimen processing and sample analysis, data acquisition, quality assurance and reporting will be included. Interpersonal relationships and basic techniques involving the major area of study will be emphasized. PR: MLAB 2222. 154 hours laboratory. MLT Majors only.

MLAB 2224 Clinical Practicum IV. 4 hrs.

This course is a continuation of MLAB 2223. Students will be assigned to a fourth major area of the laboratory. Additional skills and increased competency levels in specimen processing and sample analysis, data acquisition, quality assurance and reporting will be included. Interpersonal relationships and basic techniques involving the major area of study will be emphasized. PR: MLAB 2223. 154 hours laboratory. MLT Majors only.

MLAB 2225 Seminar. 2 hrs.

This course is designed to correlate the MLT students' didactic knowledge with their clinical experience. The significance of licensure, certification, registration, and accreditation; professional societies; ethics; employment opportunities; and career ladder will be discussed. Guest lecturers, field trips, computer and CD assignments and community interaction will be used as teaching tools. PR: Consent, MLT student in final semester of program. Spring Only. MLT Majors only.

MLAB 2226 Clinical Case Studies. 2 hrs.

This course is designed to enhance the critical thinking skills and communication skills necessary in the clinical laboratory. Through a combination of lecture and presentation experiences, students will be able to combine didactic and practical knowledge obtained in all MLT courses. Each student will present a clinical case study and critique the presentation of other students. PR: MLT student in final semester of program. Spring.

NURSING

(SEE FAIRMONT STATE UNIVERSITY CATALOG)

OFFICE ADMINISTRATION

(School of Business, Aviation and Technology)

OFAD 1100 Microcomputer Keyboarding. 3 hrs.

This course is designed to teach the touch control method of the alpha/numeric keyboard for the microcomputer as well as the ten-key numeric keypad. This course includes development of speed and control, vertical and horizontal centering, simple tabulation, memorandums, letters, reports, tables and interpretation of proofreader's marks. This course is open to all students.

OFAD 1199 Special Topics in Office Administration. 1/12 hrs.

Studies in special selected topics. The topic to be studied will be determined by the instructor and approved by the School Chair. Credits earned will be applicable as free electives in degree and certificate programs.

OFAD 2230 Introduction to Word Processing. 3 hrs.

The course will present opportunities to explore microcomputer operations, computer software, and word processing applications. In addition, it will provide an overview of the concepts and terminology of computer operations, including some of the basic principles of word processing. . 3 hrs. lecture and discussion per week. PR: OFAD 1100, or high school keyboarding courses.

OFAD 2232 Word Processing Applications. 3 hrs.

The course will provide advanced applications on a microcomputer with emphasis on formulating standard documents and printing using various printers. PR: OFAD 2230.

OFAD 2233 Database Applications. 3 hrs.

This course is designed to provide a foundation in the latest methods and systems of retrieving information in planning, organizing, and controlling integrated records retention systems in the electronic office. Simulated activities are designed to give students practice in

microcomputer storage and retrieval utilizing appropriate software. May be used as a business elective.

OFAD 2240 Administrative Office Procedures. 3 hrs.

This course is an integrated approach to the required procedures in a business establishment. The course provides information on business principles and promotes a high standard of office ethics. Content includes telecommunications, mail processing, records management, conference setting, travel arrangements, and office equipment. PR: OFAD 2230.

OFAD 2241 Workplace Productivity. 3 hrs.

This course is designed to allow the student to integrate the concepts and principles offered in the various disciplines of study within the Department of Office Administration. It will focus on the simulation and reinforcement of the major office applications found in suite software-word processing, electronic presentations, spreadsheets, and databases. Students will participate in common office careers that use these applications to show the real-world significance of the software. In addition to computer applications, students will develop critical thinking and decision-making skills which are expected of today's office support personnel. PR: OFAD 2240 and INFO 2220.

OFAD 2242 Professional Internship and Portfolio Development. 3 hrs.

The purpose of this course is to allow students to bring business topics into focus by using all their collected business knowledge. This will be accomplished through completion of a portfolio that will demonstrate to prospective employers the student's career preparation. The student will also be required to complete a professional internship in the work place. A total of 140 hours of supervised work will be required. The importance of career and goal planning will be emphasized. PR: OFAD 2240.

OFAD 2250 Desktop Publishing. 3 hrs.

A beginning course in Desktop Publishing which provides a foundation in the basic principles of page layout and design as well as typographical conventions, coupled with hands-on use of computer hardware and applications. Students will learn desktop publishing skills by completing several practical projects.

PARALEGAL STUDIES

(School of Business, Aviation, and Technology)

PARA 1101 Introduction to Paralegal Studies. 3 hrs.

This course is an introduction to the American legal system and an overview of legal topics including Constitutional, Criminal, Domestic Relations, Property, and Tort Law. The course will also provide the students with an understanding of the various roles and career options of the paralegal professional, legal ethics, and interviewing and investigation skills.

PARA 1102 General Law I. 3 hrs.

This course is an introduction to the federal and state legal systems. Information on the legislation and enforcement of laws as well as an introduction to legal reasoning and legal terminology will be covered. An overview of civil law, procedures and jurisdiction will be included.

PARA 1103 General Law II. 3 hrs.

This course is a continuation of General Law I and will provide a general overview on substantive areas of law including: contracts, property law, forms of business, estates and the probate process, family law, criminal law and procedure. PR – PARA 1102.

PARA 2201 Legal Research and Writing I. 3 hrs.

This course is an introduction to legal research, analysis, and writing methods. Students will learn how to brief a case, analyze case law, statutes, and/or regulations, research legal issues using a law library, prepare legal correspondence documents and pleadings. PR- ENGL 1108.

PARA 2202 Legal Research and Writing II. 3 hrs.

This is an intermediate course in which students will perform legal research, analysis, and writing methods. Students will analyze case law, statutes, and/or regulations, research legal issues using Lexis-Nexis and other electronic resources, and prepare an appellate brief. PR- PARA 2201.

PARA 2203 Computer Applications for Legal Professionals. 3 hrs.

Overview of software applications used in a law office including calendar, docket control, litigation support, billing, timekeeping, pleadings preparation, legal research, and other applications. PR- INFO 1100.

PARA 2204 Civil Litigation and Procedure. 3 hrs.

This course provides an overview of the civil litigation process from initial interview through trial including preparation of pleadings and trial documents. The course also includes the study of the rules of civil procedure. PR – PARA 1102.

PARA 2210 Domestic Relations Law. 3 hrs.

This course provides students with an understanding of legal issues regarding the family including marriage, common law marriage, and alternatives to marriage; premarital contracts, rights and responsibilities of spouses, and reproductive rights; annulment, legal separation, and divorce; spousal support, child support, and child custody; and adoption, paternity, and domestic violence. The course also requires students to prepare pleadings associated with the law of domestic relations. PR - PARA 1103

PARA 2211 Administrative Advocacy. 3 hrs.

This course provides students with knowledge of how to prepare and present a case to state and federal governmental agencies that allow non-lawyer advocacy. Techniques for legal interviewing will be included.

PARA 2212 Torts. 3 hrs.

This course provides students with a basic understanding of Intentional Torts including harms to the person and to property interests, Negligence, Strict Liability, Products Liability, other torts and defenses. PR – PARA 1103

PARA 2213 Property and Probate. 3 hrs.

This course provides students with an overview of the process and documents involved in the transfer of assets. Topics include trusts, wills and gifts, administration of decedent's estates, probate procedure, federal and state death and income taxes, and fiduciary accounting and responsibilities. PR- PARA 1103.

PARA 2214 Bankruptcy Law. 3 hrs.

This course provides an overview of the substantive law of bankruptcy including the procedure for filing bankruptcy. PR- PARA 1103.

PARA 2230 Paralegal Professional Practicum. 3 hrs.

This cooperative practicum allows students the opportunity to apply classroom learning to a work environment where they will acquire essential and practical paralegal skills under the supervision of a legal professional. The practicum requires a minimum of 135 hours of supervised work. PR- Permission.

PHILOSOPHY

(School of Social Science)

PHIL 2200 Introduction to Philosophy. 3 hrs.

A survey of the principal problems and theoretical responses, which have come from man's attempts to organize his experience and direct his existence. The thought of individual thinkers (as Socrates, Plato, St. Augustine, Bruno, Locke, Sartre, Heidegger, et al.) and schools of interpretation (rationalist, empiricist, pragmatic) are highlighted.

PHYSICAL EDUCATION

(School of Education/Health and Human Performance)

PHED 1100 Fitness and Wellness. 2 hrs.

This course is designed to provide an opportunity for students to make intelligent choices concerning lifelong wellness and to achieve optimum levels of fitness through regular exercise, proper nutrition, weight control and stress management.

PHYSICAL THERAPIST ASSISTANT

(School of Health & Human Services)

PHTA 1100 Introduction to Physical Therapy. 2 hrs.

History of the physical therapy profession and survey of general physical therapy services. Legal and ethical requirements for the physical therapist assistant are introduced. The Americans with Disabilities Act and architectural barriers are studied. Majors only.

PHTA 1101 Patient and Professional Relationship. 2 hrs.

Recognition of the reactions of the health care worker, patient, and family to illness and disability is discussed. The influence of race, class, age, ethnic origin, and gender on the physical therapist assistant and patient relationship is explored. The stages of adjustment to disability and death and dying are described. Communication skills between PTA, patient, family, and other health care providers are developed. PR: PHTA 1100. Majors only.

PHTA 1102 Introduction to Patient Care. 3 hrs.

An introduction to basic patient care procedures such as positioning, transferring, ambulating, dressing, fitting ambulation aids, and taking vital signs. Universal Precautions, isolation, and aseptic principles will be presented. Skills in basic note writing will be developed. PR: PHTA 1100. Majors only.

PHTA 1103 Techniques I. 3 hrs.

This course includes the lecture and lab study of thermal agents, compression, and massage. Skills in surface anatomy and goniometry are developed. Upon completion, students are able to correctly and safely apply these techniques in a laboratory setting while assessing the physiologic response and observing indications and contraindications. Note writing skills are further developed. PR: PHTA 1100. Majors only.

PHTA 1104 Techniques II. 2 hrs.

Therapeutic modalities are continued. Topics include electrical stimulation, traction, and manual muscle testing. Upon completion students can safely and effectively apply these techniques in a laboratory setting, write appropriate progress notes, and demonstrate knowledge of the physiological principles involved. PR: PHTA 1103. Majors only.

PHTA 1105 Kinesiology. 3 hrs.

This course provides a study of human movement and related mechanical principles. Topics include detailed musculoskeletal anatomy and physiology. Upon completion, student will be able to analyze a functional task and identify component joint motions and muscle actions. PR: PHTA 1100. Majors only.

PHTA 1106 Clinical Education I. 1 hr.

Initial clinical experience for students. Forty hours spaced throughout the semester introduces the various settings of a physical therapy practice - acute care, transitional care, out-patient clinic, home health, skilled nursing facility, rehabilitation unit, and the school system. The student may participate in the clinic's activities only if their skills have been checked-off in the course laboratory setting. Majors only.

PHTA 1108 Clinical Education II. 2 hrs.

A concentrated ten day, eighty hour clinical experience dedicated to modality application and the study of goniometry and manual muscle testing. The student will be assigned to a clinical setting that utilizes the

modalities studied. The student will begin to assess patient response to treatment and be prepared to adjust the therapeutic intervention accordingly. PR: PHTA 1104. Majors only.

PHTA 2200 Techniques III. 4 hrs.

The principles and techniques of therapeutic exercise will be introduced. Topics also include gait analysis, posture assessment, and chest physical therapy. Upon completion the student will plan, implement, and assess the response to an exercise plan in a laboratory setting. PR: PHTA 1104. Majors only.

PHTA 2201 Techniques IV. 4 hrs.

The dysfunctions caused by and intervention strategies for musculoskeletal disorders, amputations, wounds, and burns will be examined. Upon completion, the student will be able to combine previously and newly learned procedures and strategies to carry out an orthopedic care plan in a laboratory setting. PR: PHTA 1104. Majors only.

PHTA 2202 Techniques V. 4 hrs.

The dysfunctions caused by and intervention strategies for peripheral and nervous system disorders will be examined. Upon completion the student will be able to combine previously and newly learned procedures and strategies to carry out a neurologic care plan in a laboratory setting. PR: PHTA 1104. Majors only.

PHTA 2204 Clinical Education III. 3 hrs.

This rotation consists of one hundred twelve hours over a three week period that will allow the student to begin the process of working within the physical therapy Plan of Care. The emphasis will be to implement, develop, and progress a therapeutic exercise program for the patient to address the impairments of decreased range of motion, decreased strength, decreased endurance, or motor control deficit. PR: PHTA 2202. Majors only.

PHTA 2205 Capstone Seminar. 2 hrs.

This intense five week seminar examines the expectations for an entry level physical therapist assistant and focuses on preparation for clinical rotations and entry into the profession. Previously learned and new material relating to safety, plan of care, communication, professional behavior, and knowledge are tied to the role of the PTA. PR: PHTA 2204. Majors only.

PHTA 2206 Clinical Education IV. 5 hrs.

This five week, 200 hour clinical assignment allows the student to apply all previously learned theory and skills to patient care in a clinical setting. Each student is assigned to a clinical center to perform physical therapy modalities and procedures on a variety of patients. PR: PHTA 2202. Majors only.

PHTA 2207 Clinical Education V. 5 hrs.

This final five week, 200 hour clinical assignment continues with the correlation of the classroom/laboratory experiences to patient care. The progression of the student's skills to "entry level" will be monitored closely. Each student is assigned to a clinical center to perform physical therapy modalities and procedures on a variety of patients. PR: PHTA 2202. Majors only.

PHYSICS

(School of Science and Mathematics)

PHYS 1101 Introduction to Physics. 4 hrs.

A three-hour laboratory period each week supplements the three lecture-recitation periods. Elementary principles of mechanics, sound, and heat are studied in this course. (Physics 1105, 1106 substitutes for Physics 1101, 1102 in all programs. Physics 1105, 1106 is calculus based and is a more appropriate level of study than Physics 1101, 1102 for science majors.) PR: MATH 1102 or MATH 1115.

PHYS 1102 Introduction to Physics. 4 hrs.

A continuation of Physics 1101; includes a study of electricity and magnetism, light, and basic atomic and nuclear physics. PR: Physics 1101.

PHYS 1105 Principles of Physics I. 5 hrs.

Students are instructed in the elementary principles and calculus-based mathematical descriptions of matter and energy, including mechanics (linear and rotational motion, force, work and energy, harmonic motion), fluids, wave motion, and thermal physics. A three-hour lab period supplements a four-hour weekly lecture. PR: MATH 1185 or 1190 or TECH 2290, CR: MATH 1186 or 3315 or TECH 3300.

PHYS 1106 Principles of Physics II. 5 hrs.

Students are instructed in the elementary principles and calculus-based mathematical descriptions of electricity and magnetism, light, optics, and modern physics. A three-hour lab period supplements the four-hour weekly lecture. PR: Physics 1105.

POLITICAL SCIENCE

(School of Social Science)

POLI 1101 Introduction to Global Affairs. 3 hrs.

A survey course focusing on the major global issues facing the world today, such as energy, environment, economy, food, population growth, technology and information, war, peace, and human rights.

POLI 1103 American Government. 3 hrs.

A survey of the American political system dealing with the form and function of the American federal system.

PSYCHOLOGY

(College of Liberal Arts)

GENERAL PROGRAM

PSYC 1101 Introduction to Psychology I. 3 hrs.

A general overview of the science of psychology. Topics include: science methodology life-span psychology; personality theory; consciousness, stress, health and coping; learning theory; psychological disorders; biopsychology; sensation, cognition and memory; and social psychology.

SAFETY

(School of Business, Aviation & Technology)

SFTY 1100 Safety and Environmental Components of Industry. 3 hrs.

This course provides an introduction to OSHA and EPA regulations pertaining to general and construction industry record keeping, OSHA/EPA inspection, fire, chemical exposure, most frequent violations, and others.

SFTY 1150 Safety Management and Concepts in Accident Prevention. 3 hrs.

This class provides an introductory examination of safety management principles with an emphasis on recordkeeping, hazard identification, product safety, and behavioral-based safety as related to accident prevention. PR: SFTY 1100, MATH 1101

SFTY 2210 Disaster Preparedness and Emergency Systems. 3 hrs.

A study of the major elements of disasters and emergencies, including systematic and organized methods of preparedness planning for these events.

SFTY 2250 Safety Law and Compliance. 3 hrs.

This course is a study of federal and state regulations governing general industry and product safety with an emphasis on various legal problems related to OSHA and general industry. (OSHA 10 hour card is attainable upon completion of this class) PR: SFTY 1100

SFTY 2260 Fire Prevention. 3 hrs.

This course is a study and examination of fire prevention, detection and suppression. The NFPA Lifesafety Code will be addressed as well as basic water supply and hydraulics including distribution systems. PR: SFTY 1100, CHEM 1102

SFTY 2280 Construction Safety & Law. 3 hrs.

This course is a study of federal construction regulations and the case law surrounding the construction industry. (OSHA 10-hour card is attainable upon completion of the course) PR: SFTY 2250, MATH 1102

SFTY 2290 Industrial Hygiene and Toxicology. 3 hrs.

This course covers the methods for anticipating, recognizing, evaluating and controlling exposures in the workplace while exploring the toxicological effects of contaminants on workforces. PR: SFTY 1150, MATH 1101, CHEM 1102, CR: SFTY 2250.

SFTY 2291 Environmental Engineering Technology: Hazardous Waste. 4 hrs.

This class provides a comprehensive study of federal/state regulations and legislation pertaining to the Environmental Protection Agency. Coverage shall include EPCRA, TSCA, RCRA, CWA, CAA as related to generation, storage and disposal of chemicals and waste in industry. PR: CHEM 1102, SFTY 2250

SFTY 2295 HazWOPER. 3 hrs.

A study of emergency responses related to hazardous chemical/waste spills. This course will be taught in accordance with OSHA's 29 CFR 1910.120. Completion of the course can result in HazWoper Certification.

SCIENCE

SCIE 1103 Science That Matters I. 4 hrs.**SCIE 1110 Chemistry of Life. 4 hrs.****SCIE 1199 Earth and Sky Geology. 4 hrs.**

SOCIOLOGY

(School of Social Science)

SOCY 1110 Introductory Sociology. 3 hrs.

The course is built around selected sociological concepts to provide a general understanding of our modern society.

SPEECH COMMUNICATION

(School of Fine Arts)

SPCH 1100 Introduction to Speech Communication. 3 hrs.

Examines the theoretical foundations of speech communication through definitional analysis and examination of communication models, code elements, and ethical considerations pertinent to communication in our society. The course provides the opportunity for each student to participate in interpersonal and public speaking presentations to develop his/her skills in interacting with others in both the personal and professional arenas. This course is required of all B.A. and B.S. degree candidates.

SPCH 1103 Listening Skills. 1 hr.

This course focuses on the foundation techniques-behavioral, attitudinal and cognitive-which are used in effective listening. The course will examine also what is known about listening. Exercises designed to improve listening techniques and skill are included.

SPCH 1107 Speech Improvement. 3 hrs.

Designed for students who wish to improve the effectiveness of their speech (voice and diction). Training in pronunciation, enunciation, and voice production in order to develop standard speech. Therapy for major speech disorders is not administered. May not be substituted for SPCH 1105 requirement. Offered spring semesters.

SPCH 2215 Nonverbal Communication. 2 hrs.

This course examines the nonverbal components of speech communication. Concepts of the human body as a message carrier and the message characteristics of time, space, artifacts, and voice will be discussed. In addition, the functions of nonverbal communication as it affects relational interaction will be studied and researched.

TECHNOLOGY

(College of Science and Technology)

TECH 1100 Technology and Society. 3 hrs.

An analysis of the historical development of man and technology as antecedents of the technological society. Students will interact with the domains of technology through problem solving applications of engineering problems.

TECH 1101 Introduction to Technology. 3 hrs.

This course is intended as a survey of the discipline of technology. The goal of the course is for the student to develop some measure of technological literacy and an understanding of the uniqueness of technology in human endeavors. Instruction will consist of lectures, media presentations, discussions, field trips, and class activities.

TECH 1104 Technology Design & Problem Solving. 3 hrs.

This course provides incoming students with prerequisite knowledge and skills for required technology systems classes that follow. Students will study 1) philosophy, rationale, and current curriculum trends in Technology Education, 2) basic design/drafting techniques, 3) laboratory and machine tool safety practices, and 4) design and problem solving processes used in Technological career fields. Class methodology will include both lecture and applied experiences with tools, equipment, and processes of technology.

TECH 1150 Control Technology. 3 hrs.

Control technology is a course that addresses mechanical, fluid, electrical, electronic and computer instrumentation used to regulate technical products and systems. Students will develop knowledge and skills of common control related components/devices and apply them to the solution of practical problems found in typical technology education settings. CR: TECH 1104.

TECH 1199 Special Topics. 1 to 3 hrs.

A study of special topics of educational, technical, or industrial concern.

TECH 2202 Transportation I. 4 hrs.

A study of the means by which mass is moved from one point to another. This will be achieved by studying the propulsion, guidance, control, suspension, structure, and support elements of a wide variety of transportation subsystems. PR: TECH 1104.

TECH 2203 Manufacturing I. 4 hrs.

This course deals with an introduction to the inputs, processes, and outputs of the manufacturing system. The methodology of the course will involve students with selected Research [Development and Production processes of the Manufacturing system. More specifically,

each student will design and engineer a middle school or high school level product. They will then perform selected production planning, plant engineering, and quality control activities to prepare their product for mass-production. The results of these Research & Development and Production activities will be developed into camera ready copy production packets. Finally, each student will set up a production line for the class to mass-produce a limited number of their products, using jigs, fixtures, and/or other mass-production related tooling. PR: MANF 1100, TECH 1104.

TECH 2204 Construction I. 4 hrs.

This first course in construction is designed to acquaint students with the impacts of construction on society, basic concepts of architectural design, construction accouterment (materials, tools, and equipment), specifications and contracts, and processes involved in residential construction. Students will complete an historic timeline of construction and will deliver an oral presentation on a specific residential construction topic. Students will perform several traditional construction activities such as: materials testing, card structures, and a building a residential model. They will also complete an activity where they will study the impacts of construction on society. PR: TECH 1104, MANF 1100.

TECH 2250 History of Technology. 3 hrs.

A survey course from prehistorical tool-making to atomic energy and computers in the twentieth century. Credit in history or technical education.

TECH 2290 Engineering Analysis I. 4 hrs.

Technical problem solution utilizing analytical geometry and calculus. Topics include: curvilinear motion, related rates, curve sketching, maximal and minimal problems; areas, volumes, centroids, and moments of inertia by integration. PR: Sophomore standing. MATH 1102 with a final grade of "C" or better or ACT (Math) 25 or greater.

TECH 2299 Special Topics. 1 to 3 hrs.

A study of special topics of educational, technical, or industrial concern.

THEATRE

(School of Fine Arts)

THEA 1120 Theatre Appreciation. 2 hrs.

This course examines the elements and components which create theatre. Students are encouraged to apply their knowledge in a critical appreciation of theatre. This class may be used to fulfill general studies requirements.

VETERINARY TECHNOLOGY

(School of Health & Human Services)

VETT 1113 Introduction to Veterinary Technology. 3 hrs.

The students will study veterinary laws and ethics, business and hospital management, and comparative anatomy and physiology. Various methods of medicating animals will be evaluated and practiced. The students will practice the care, handling, and restraint of the dog and cat. Two hours lecture and two hours lab per week. PR: Admission to the VT Program.

VETT 1114 Breeds and Breeding. 2 hrs.

The students will be taught the various breeds of the dog, horse, cow, and, cat, breeding behavior, reproductive physiology, and nutrition. Two hours lecture per week. Open to all students. Fall Semester.

VETT 1116 Clinical Procedures. 5 hrs.

The students will study and apply radiographic procedures, basic bandaging and external fixation techniques, surgical nursing, instrument and equipment care, and application of veterinary anesthesiology. The pharmacology of veterinary preanesthetics and anesthetics will be covered. Necropsy and tissue sampling techniques will be practiced. . 3 hrs. lectures and two two-hour labs each week. PR: VETT 1113, and BIOL 1170. Spring Semester.

VETT 1122 Veterinary Pharmacology. 3 hrs.

Drug laws and regulations are reviewed. The principles, simplified chemistry, and basic concepts of pharmacology are covered. The more common drugs and their variations among species are presented. A survey of the biochemistry of metabolism and the role of nutrition in disease treatment is covered. . 3 hrs. lecture per week. PR: VETT 1113, and BIOL 1170. Spring Semester.

VETT 1130 Animal Parasitology. 3 hrs.

The life cycle, pathologies and management control techniques of the parasites of the common domestic animals will be studied. The laboratory techniques for diagnosing these parasites will be practiced. Two hours lecture and two hours lab per week. Open to all students.

VETT 1170 Antomy and Physiology. 4 hrs.

This course will introduce the veterinary student to the clinical anatomy (structure) of multiple mammalian species (concentrating on dogs and cats, but including other species) along with a detailed discussion of the physiology (function) of all the body systems that contribute to the maintenance of a viable organism (maintenance of homeostasis). Limited discussion will center on classic pathophysiologies (disease states) with clinical examples. For Vet. Majors.

VETT 1180 Exotic Animal Medicine. 2 hrs.

This course is a survey of exotic animal types, suitability, and the care and handling of common exotic animals kept as pets in the home. Topics include selection criteria, health issues, care and feeding. Various animals will be studied and students will be given an opportunity to select an exotic for further research and reporting.

VETT 1181 Pleasure Horse Management. 2 hrs.

This course will cover all aspects of pleasure horse care and handling. Students will form an appreciation of the complexities of horse ownership, and the responsibilities of maintaining a healthy animal. Topics will include an overview of common breeds, nutrition, transport, health and care issues, and breeding.

VETT 1199 Special Topics in Veterinary Technology. 1 /12 hrs.

Studies in special selected topics. The topic to be studied will be determined by the instructor and approved by the Program Coordinator. Credits earned will be applicable as free electives in the degree and certificate programs. Arranged.

VETT 2210 Laboratory Animal Techniques I. 3 hrs.

The current edition of the AALAS Manual for Assistant Laboratory Animal Technicians will be the guide for course material. The students will study the care, handling and restraint of common laboratory animals. The taxonomy of vertebrate animals is reviewed. Successful completion and six months clinical experience will prepare the student to take the ALAT certification examination by the AALAS. Two hour lecture and one, two-hour lab per week. Open to all students. Spring Semester.

VETT 2212 Health Management of Farm Animals . 4 hrs.

The students will study the care, handling and disease prevention of farm animals. They will practice restraint and medication techniques. Interstate regulations and shipping documents will be reviewed. The common domestic breeds of the cow, horse, pig, sheep, and goat will be studied. Several field trips will be included. Two hours lecture and one two-hour labs per week. Fall Semester.

VETT 2217 Clinical Laboratory Procedures. 4 hrs.

The students will study theory and practice the laboratory techniques for complete blood and urine analysis, vaginal cytology, analyses of transudate and exudate as related to clinical veterinary medicine. . 3 hrs. lecture and four hours lab per week. PR: VETT 2271. Fall Semester.

VETT 2219 Seminar for Veterinary Technicians. 2 hrs.

This course is concurrent and interrelated with VETT 2272. It is designed to correlate the academic and applied techniques learned by the technician. Variations in techniques will be compared; advanced techniques may be presented. Each student is required to prepare a resume to complete the course requirements as well as an in-depth written scientific report.

VETT 2222 Diseases of Domestic Animals. 4 hrs.

The body's normal defense systems and their responses to pathology will be presented. Infectious, hormonal, traumatic, and toxicological diseases of domestic animals will be covered. Four hours lecture per week. Fall Semester.

VETT 2271 Veterinary Preceptorship I. 4 hrs.

The student spends 160 hours working with a veterinarian for one summer term. The student will have the opportunity to function as a member of the veterinary staff. The student will be able to apply techniques learned in the classroom.

VETT 2272 Veterinary Preceptorship II. 12 hrs.

The student spends 360 hours in the spring semester working with a veterinarian. The student is expected to function as a full member of a veterinary staff. The student is expected to be able to apply all techniques learned in the classroom and is expected to be able to learn and/or develop variations in techniques learned in the classroom.

Directory

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INSTITUTIONAL BOARD OF GOVERNORS

The institutional Board of Governors for Fairmont State College consists of nine members appointed by the Governor with the advice and consent of the Senate and a representative from the faculty, classified staff, and student body chosen by their respective groups.

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INSTITUTIONAL BOARD OF ADVISORS

The institutional Board of Advisors for Fairmont State Community and Technical College consists of eleven members appointed by the Governor with the advice and consent of the Senate and a representative from the faculty, classified staff, and student body chosen by their respective groups.

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ADMINISTRATION AND STAFF

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Off Campus Programs, Director of	Jeanie Hawkins M.A.
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Admissions Counselor	Lyla D. Grandstaff, B.S.
Admissions Counselor	Kimberly M. Patton, B.S.
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Center for Workforce Education, Manager of	Michael K. Ross
FINANCIAL AID, Director of	Sandra K. Bennett, M.S.
GASTON CAPERTON CENTER, Director of	Timothy R. Oxley, M.A.
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Associate Dean of	Donald A. Morroose, Ed.D.
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Associate Director of Development and Alumni Relations	
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Director of Alumni and Development Records	
Director of Development, Marketing, Communications, and Grants	Rebecca Tompkins Herod, B.A.
Development Associate	Angela Cable Murphy, R.B.A.
INFORMATION TECHNOLOGY, Chief Information Officer	Michael J. Bestul, B.S.
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Administrative Systems Coordinator	Kimberly D. Ranson, B.S.
LEARNING TECHNOLOGIES, Director of	Roxann A. Humbert, Ed.D.
LIBRARY SERVICES, Director of	Thelma Hutchins, M.L.S., MSLS
Cataloging Librarian	Robert H. Hammonds, M.L.S.
Distance Learning Library Services Librarian	William F. Grubb, M.L.I.S.
Reference Librarian	David F. Matthews, M.L.I.S.
Reference and Interlibrary Loan Librarian	Sharon L. Mazure, M.L.I.S.
School Library Media Coordinator	Beth A. Yoke, M.L.I.S.
Electronic Services Librarian	Toru Chiba, M.L.I.S.
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Associate Registrar	Bebra A. Bates
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RESIDENCE LIFE, Director of	
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Multicultural Affairs, Director of	
Student Activities, Coordinator for	Laurie J. Johnston, B.S.
STUDENT HEALTH SERVICE, Coordinator of	Yolanda S. Kirchartz, B.S.N.
TEACHER EDUCATION, Interim Dean of	Allen Colebank, Ed.D.
VETERANS Coordinator	James M. Walker, B.S.

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Profssor Emerita

SISTER MARIE HORVATH, M.S.

Professor Emerita

LARRY M. LAUFFER, M.A.

Professor Emeritus

SALLY TARLEY, M.A.

Professor Emerita

Index

A

Academic Advising 29
Academic Advising Center 29
Academic Calendar 2004-2006 4
Academic Development Center 30,67
Academic Forgiveness 18
Academic Forgiveness Policy 30
Academic Probation 30
Academic Procedures 28
Academic Suspension 30
Accounting
 Courses of Instruction 67
Accounting Paraprofessional 37
Accreditation 8
ACT Center 34
Administrative Assistant 37
Administrative Support 37
Admission
 American College Test 9
 College Level English and Math Courses 11
 High School Nongraduates 9
 High School Students 9
 International Students 10
 Limited Enrollment Programs 10
 Physical Examination 11
 Special Students 9
 Transfer Students 10
Adult Learners 35
Adult Learning Center 35
Advanced Placement 11
Advanced Standing 12
Affirmative Action 5
Airframe and Aerospace Electronics Technology 40
Alumni Association 24
American College Testing (ACT) 9,21
American Sign Language Communication 38
American Sign Language Communication Program
 Courses of Instruction 68
Applied Design 38
 Associate Degree 38
 Courses of Instruction 68
 Fashion Design & Merchandising 38
 Interior Design 39
Art
 Courses of Instruction 69
Articulation Policy 12
Assessment
 Student Academic Achievement 5
Associate Degrees as Minors 26

Associate of Applied Science 26
Associate of Arts 25
Associate of Science 26
Athletic Policy 24
Auditing Courses 12
Aviation
 Courses of Instruction 69
Aviation Administration 41
 Courses of Instruction 70
Aviation Maintenance Technology 40
Aviation Technology 41
 B.S. Degree
 Aviation Administration 41
 Courses of Instruction 70
Avionics
 Courses of Instruction 71

B

Ballroom Dancing 42
Biology
 Courses of Instruction 71
Board of Governors 43
Business, General
 Associate Degree 44
Business Administration
 Economics
 Courses of Instruction 75
Finance
 Courses of Instruction 78
Management
 Courses of Instruction 85
Office Administration
 Courses of Instruction 87
Business Technology 43
 Courses of Instruction 72

C

CAD (Computer Aided Design) 44
Caperton Center 12
Career Services 20
Catalog Policy 5
Certificate
 American Sign Language Communication 38
Certificate Programs 26
Chemistry
 Courses of Instruction 72
Child Care Practitioner 63
Classroom Teacher's Aide 45
Classroom Teaching Assistant 45
Class Attendance 29

- Class Rank 28
- Clubs 22
- College Level Examination Program (CLEP) 12,21
- Commercial Design/Graphics Technology
 - Courses of Instruction 81
 - Minor 56
- Community Education 36
- Community Service Learning 32
- Computer Forensic Certificate 46
- Computer Science
 - Courses of Instruction 72
- Consortium Agreement 10
- Continuing Education Units 11
- Correctional Officer 63
- Counseling Service 20
- Course Numbering System 28
- Criminal Justice 45
 - Correctional Officer 63
 - Courses of Instruction 73
- Culinary Arts Specialization 52

D

- Damage Deposit 16
- Dance
 - Courses of Instruction 74
- Dean's List 31
- Degree Programs
 - Associate of Applied Science 25
 - Associate of Arts 25
 - Associate of Science 25
 - Certificate Program 25
- Dietary Manager Option 53
- Dining Hall 22
- Disability Services 21
- Drafting/Design
 - Associate Degree 46
 - Courses of Instruction 74
- Drafting/design
 - Courses of Instruction 74
- Drug-Free Awareness Program 5

E

- Early Childhood
 - Associate Degree 46
 - Courses of Instruction 75
- Early Childhood Teacher's Aide 48
- Early Childhood Teaching Assistant 48
- Economics
 - Courses of Instruction 75
- EDGE 32
- Education
 - Courses of Instruction 76
- Electronics Engineering Technology
 - Associate Degree 49
- Emergency Medical Services 49
 - Courses of Instruction 76
- Emergency Medical Technician-Paramedic (EMT-P) 50

- English
 - Courses of Instruction 78
- English Performance Evaluation 31
- Equal Opportunity 5
- Experiential Learning 32

F

- Family Educational Rights and Privacy Act 5
- Fashion Design & Merchandising 38
- Fashion Design and Interior Design
 - Courses of Instruction 68
- Fast Track Jobs Training Programs 35
- Federal Financial Aid 17
- Fees
 - Dormitory Room 16
 - Freshman Orientation Fee 16
 - Late Registration 16
- Fiber Optics and Communication Training Program 35
- Finance
 - Courses of Instruction 78
- Financial Assistance
 - Academic Progress 17
 - Federal Financial Aid 17
 - Philosophy 17
 - Procedures 17
- Fire Fighters 63
- Folklife Studies
 - Courses of Instruction 79
- Food Service Management 52
 - Associate Degree 51
 - Courses of Instruction 79
 - Culinary Arts Specialization 52
 - Dietary Manager Option 53
 - Pastry & Baking Arts Specialization 53
 - ProMgmt Certificate 55
 - Resort & Hotel Management Specialization 54
 - Serve Safe 55
- Foreign Exchange Program 31
- Forensics 23
 - Debate 23
 - Public Speaking 23
- Frasure-Singleton Student Legislative Program 33

G

- Grades
 - Credit-No Credit 28
 - Grade Point Average 28
 - Grading System 28
 - Quality Points 28
 - Report 30
- Graduation 29
 - With Honors 31
- Graphics Technology 55
 - Courses of Instruction 81
- GRE, Graduate Record Examination 21

H

- Health Careers
 - Courses of Instruction 82
- Health Education
 - Courses of Instruction 82
- Health Information Technology
 - Associate Degree 56
 - Courses of Instruction 82
- Health Service Center 21
- Herndon Legislative Fellows Program 33
- History
 - Courses of Instruction 83
- Homeland Security
 - Associate of Applied Sciences 57
 - Aviation Track 58
 - Criminal Justice Track 58
 - EMS Track 58
 - Safety Track 58
- Honor Societies 22
- Human Services
 - Courses of Instruction 83

I

- Immunization Requirement 9
- Information Systems
 - Associate Degree 59
 - Courses of Instruction 84
- Institutional Testing Program 21
- Intelligence Research and Analysis Certificate 46
- Intercollegiate Sports 24
- Interdisciplinary Studies
 - Courses of Instruction 85
- Interior Design 39
- International Students
 - Admission 10
- International Study Abroad 31
- Interpreter Training Program 60
 - Associate Arts of Science 60
 - Courses of Instruction 84
- Intramural Sports 24

L

- Laboratory Assistant 60
 - Courses of Instruction 85
- Laboratory Preschool 36
- Late Registration Fees 29
- Leadership Certification 33
- Legislative Fellows Program, Herndon 33
- Liberal Studies
 - Associate of Arts 61
- Libraries 21

M

- Management
 - Courses of Instruction 85

- Marketing
 - Courses of Instruction 86
- Mathematics
 - Courses of Instruction 86
- Mechanical Engineering Technology
 - Associate Degree 50
- Medical Laboratory Technology 62
 - Courses of Instruction 86
- Military Service
 - Academic Credit for 12
- Mission Statement 7
- Multicultural Affairs 21
- Musical Organizations 23

N

- National Hardwood Lumber Grading School 34
- Newman Center 23
- Non-Traditional Students 35
- Nursing
 - A.S. Degree 63
 - Liability Insurance 36
 - Transportation 36

O

- Occupational Development 63
 - Building and Construction Trades 63
 - Child Care Practitioner 63
 - Correctional Officer 63
 - Emergency Medical Services 63
 - Fire Fighters 63
 - Food Service Specialist 63
- Off-Campus Classes 13
- Off-Campus Programs 13
- Office Administration
 - Courses of Instruction 87
- On-line Information Technology Certification Train 35
- On-line Medical Transcription Training Program 34
- One-Year Certificate
 - Emergency Medical Technician-Paramedic (EMT-P) 50
 - Laboratory Assistant 60
 - Paraprofessional in Education 63
- Open Admissions Philosophy 8
- Orientation for Students 21

P

- Para-Education
 - Associate of Arts 63
- Paralegal Studies 64
- Paralegal studies
 - Courses of Instruction 88
- Paraprofessional in Education 63
- Pastry & Baking Arts Specialization 53
- Philosophy
 - Courses of Instruction 88
- Philosophy and Objectives 7
- Physical Education

- Courses of Instruction 89
- Physical Examination
 - Admission 11
- Physical Therapist Assistant
 - Associate Degree 64
 - Courses of Instruction 89
- Physics
 - Courses of Instruction 89
- PLT, Principles of Learning Teaching Tests 21
- Political Science
 - Courses of Instruction 90
- PPST, Pre-professional Skills Test 21
- Praxis II Specialty Area Exams 21
- Preparatory Department
 - Art 13
 - Drama 13
 - Music 13
- Privacy Act 5
- Probation-Suspension Policy 30
- ProMgmt Certificate 55
- Psychology
 - Courses of Instruction 90
- Publications 23
 - The Columns 23
 - The Mound 23
 - Whetstone 23
- Public Affairs Internships 33

Q

- Quality Points 28

R

- Radiologic Technology
 - Associate of Applied Science Technical Studies 65
- Religious Organizations 23
 - Newman Center 23
 - Wesley Foundation 23
- Repeating a Course 11,29
- Residence Halls 20
 - Expenses 16
 - Reservations 16
 - Standards 20
- Residence Hall Reservations 16
- Residents Over 65 Years 36
- Resident Classification
 - Aliens 15
 - Change of Residence 15
 - Domicile Determination 14
 - Emancipated Minors 14
 - Military 15
 - Minor 14
 - Over 18 Years Old 14
- Resident Classifications 14
- Resort & Hotel Management Specialization 54

S

- Safety
 - Courses of Instruction 90
- Schedule Changes 29
- Scheduling Classes 11
- Scholarships 17
- Science
 - Courses of Instruction 90
- Selective Service Act 6
- Serve Safe 55
- Services for Students with Disabilities 5
- Sign Language Interpreter
 - Associate Degree 65
- Skill Set
 - Accounting Paraprofessional 37
 - Administrative Assistant 37
 - Ballroom Dancing 42
 - CAD (Computer Aided Design) 44
 - Classroom Teacher's Aide 45
 - Classroom Teaching Assistant 45
 - Computer Forensic Certificate 46
 - Early Childhood Teacher's Aide 48
 - Early Childhood Teaching Assistant 48
 - Intelligence Research and Analysis Certificate 46
 - ProMgmt Certificate 55
 - Serve Safe 55
- Small Business Development Center 34
- Social Organizations 22
- Sociology
 - Courses of Instruction 90
- Special Academic Programs
 - Frasure-Singleton Student Legislative Program 33
 - Herndon Legislative Fellows Program 33
 - Public Affairs Internships 33
- Special Examinations for Course Credit 12
- Special Fees 16
- Special Programs 34
- Speech Communication
 - Courses of Instruction 90
- Student Automobile Regulations 21
- Study Abroad Programs 31
- Summer Sessions 12
- Supplemental Instruction 30
- System Procedure No. 31 10

T

- Technical Studies
 - Associate Degree 65
 - Courses of Instruction 91
- Technology
 - Aviation Administration 41
 - Courses of Instruction 91
- Tech Prep 12,32
- Televised Courses 12
- Theatre 23
 - Courses of Instruction 91

TOEFL 10
Transcripts 31
Transferring Core Coursework 10
Transfer Students 10
Transient Credit 29
Tuition and Fees
 Damage Deposit 16
 Food Service 16
 Key Deposit 16
 Payment of 15
 Refund Policy 16
 Residence Hall 16
 Social Fee 16
 Special Fees 16
Tutoring Program 30

U

Unsatisfactory Academic Standing 30

V

Veterans' Policies
 Class Attendance 19
 Grades 19
 Probation or Suspension 18
Veterans' Policies 18
Veterinary Technology
 Associate Degree 66
 Courses of Instruction 91
Vocational Career Projects 32

W

Washington Center Internship Program 33
Weekend College 32
Wesley Foundation 23
Withdrawal from Class 29
Withdrawal from College 29
Workforce Education 34
WorkKeys 36

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VISITORS

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